

19980128.qrp v00\_n984.qrs.980128

Date: Wed, 28 Jan 1998 19:05:36 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 984

QRP-L Digest 984

Topics covered in this issue include:

- 1) [2114] Re: Elmering - Simulation's role  
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 2) [2115] GUSHER ANT.  
by N10DL <N10DL@aol.com>
- 3) [2116] mic impeadance circuit  
by Roger Braker <msebrakr@telepath.com>
- 4) [2117] Dayton Rooms  
by "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>
- 5) [2118] Enclosure Shipping Disaster Courtesy USPS  
by doug hauff <slmachco@fix.net>
- 6) [2119] Re: mic impeadance circuit  
by Sam <kc5tja@animeonline.ml.org>
- 7) [2120] Re: Enclosure Shipping Disaster Courtesy USPS  
by Joe Gervais <vole@primenet.com>
- 8) [2121] FS: Yaesu FT-707 complete station, \$625  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 9) [2122] Re: Enclosure Shipping Disaster Courtesy USPS  
by Sam <kc5tja@animeonline.ml.org>
- 10) [2123] Web Pages as e-mail - NOT with JUNO  
by n7mfb@juno.com (Bill Todd)
- 11) [2124] Re: FS: Yaesu FT-707 complete station, \$625  
by Sam <kc5tja@animeonline.ml.org>
- 12) [2125] Re: Chrome base for the Norcal Paddles  
by "mahlon.r.haunschild" <mahlon.r.haunschild@ac.com>
- 13) [2126] Re: source for straight keys  
by "\"W. Kimura\"." <W.Kimura@valley.net>
- 14) [2127] OHR Kits  
by Fred Lesnick <flesnick@Quetico.tbaytel.net>
- 15) [2128] Re: Elmering project  
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 16) [2129] Little Red Key  
by jmbrown@edge.net (JERRY BROWN)
- 17) [2130] RE : SLV Question ?  
by lenriquez@pacific.simoco.com (Luke Enriquez)
- 18) [2131] CHEAP KEYS  
by N10DL <N10DL@aol.com>
- 19) [2132] Re: Enclosure Shipping Disaster Courtesy USPS

- by N4JS <n4js@pobox.com>
- 20) [2133] Whiterook products  
by RangerSF5 <RangerSF5@aol.com>
- 21) [2134] FOX? Where'd he go?  
by "Tim Ahrens" <tahrens@inetport.com>
- 22) [2135] Fox?--Anyone Spot Him?  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [2136] Re: Fox?--Anyone Spot Him?  
by Roger Hightower <n7kt@earthlink.net>
- 24) [2137] Re: source for straight keys  
by "Roger Whitaker [K9LJB]" <k9ljb@iname.com>
- 25) [2138] Re: Fox?--Anyone Spot Him?  
by "Ken Hanks" <kennfd@ibm.net>
- 26) [2139] Fox  
by flydnq7x@primenet.com (Floyd Smithberg)
- 27) [2140] Variable Capacitors  
by Sam <kc5tja@animeonline.ml.org>
- 28) [2141] Re: Variable Capacitors  
by Bob Liesenfeld <wb0poq@visi.com>
- 29) [2142] Fox in Deep Cover - Shots Fired on 7.0365  
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 30) [2143] keys-qrp  
by MSU1972 <MSU1972@aol.com>
- 31) [2144] FOX on 7.0367 at 0434z  
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
- 32) [2145] Fox, NADA!  
by Goemans <jgoemans@facstaff.wisc.edu>
- 33) [2146] FOX on 7.0367 at 0441z  
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
- 34) [2147] RE: Balanced Tuner vs. "T" "L" + Balun  
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 35) [2148] QRPP journal  
by "duane" <duane@flinet.com>
- 36) [2149] MORe: Chrome base for the Norcal Paddles  
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 37) [2150] QRPP Sample Issues  
by Sam <kc5tja@animeonline.ml.org>
- 38) [2151] Re: Fox  
by Monte Stark <ku7y@sage.dri.edu>
- 39) [2152] FOX:No Joy in MN tonight  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 40) [2153] Re: Little Red Key  
by Monte Stark <ku7y@sage.dri.edu>
- 41) [2154] RE: Tower Web Site -- Check It Out!  
by Monte Stark <ku7y@sage.dri.edu>
- 42) [2155] ELMERING PROJECT  
by chuck.olson@sbaonline.gov
- 43) [2156] Inductor Values and Transformers...

by Sam <kc5tja@animeonline.ml.org>  
44) [2157] Re: mic impeadance circuit  
by Leon Heller <leon@lfheller.demon.co.uk>  
45) [2158] CQ NA by DL8BDF/p  
by "Norbert.Heyder" <norbert.heyder@ri.dasa.de>  
46) [2159] Re: Inductor Values and Transformers...  
by Leon Heller <leon@lfheller.demon.co.uk>  
47) [2160] re: Elmering project  
by k5zty@juno.com  
48) [2161] Ten-Tec group buy info!  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
49) [2162] QRP Banquet registration continues  
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
50) [2163] Re: Inductor Values and Transformers...  
by Stanley Wilson <microres@crl.com>  
51) [2164] Re: OHR KIT  
by k5zty@juno.com  
52) [2165] Re: Variable Capacitors  
by "JUNIUS B FOX" <w5hir@gte.net>  
53) [2166] Re: ICOM repair  
by Laird Jerman <ljerman@earthlink.net>  
54) [2167] [2026] Re:Mac's, slow dos, & circad  
by LYN WILLIAMS <designserv@ipass.net>  
55) [2168] Re: Ten-Tec 1056 Direct Conversion Receiver  
by eakwik@mail.hac.com  
56) [2169] Web Man Walking  
by Bruce Rattray <rattray@gpfn.sk.ca>  
57) [2170] Re: FYBO and TR Log  
by Chris Cartwright <ccart@dns.vidtel.com>  
58) [2171] Re: BUILD this receiver...Part 2  
by Roger Braker <msebrakr@telepath.com>  
59) [2172] RE: Variable Capacitors  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>  
60) [2173] WTB: CENTURY 21 KEYER  
by ARDUJENSKI <ARDUJENSKI@aol.com>  
61) [2174] SPRAT reprints  
by Jack Parker <Pparker@greatbasin.net>  
62) [2175] Wis Fox - AE9K - Warning Number 2  
by Bcieslak@ra.rockwell.com  
63) [2176] Re: GUSHER ANT.  
by Joe Everhart <n2cx@voicenet.com>  
64) [2177]  
by HIMES@idicl11.idi.oclc.org  
65) [2178] Fox log - 1/28  
by "Bob Kellogg" <ae4ic@nr.infi.net>  
66) [2179] Watt/swr meter  
by William Wyatt <wbw95k@timon.acu.edu>  
67) [2180] NA Sprint & QRP

- by Monte Stark <ku7y@sage.dri.edu>
- 68) [2181] SW-series/ group buy offer  
by Bensondj@aol.com
- 69) [2182] Re: Watt/swr meter  
by Monte Stark <ku7y@sage.dri.edu>
- 70) [2183] WR BOOKS - NICE!  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 71) [2184] GM-10 mods (QRPp Winter '97 by W6EMD)  
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
- 72) [2185] Re: Watt/swr meter  
by "Ron Smith" <resmith@primenet.com>
- 73) [2186] Re: Fox log - 1/28  
by gsurrency@juno.com (Gary L Surrency)
- 74) [2187] Pre-FYBO Victory Party  
by cjl@mail09.mitre.org (Charles J. Ludinsky)
- 75) [2188] NorCal's February Meeting  
by Jerry Parker <jparker@fix.net>
- 76) [2189] Re: Fox log - 1/28  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 77) [2190] Cheesehead warning about Pre-Victory Parties  
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>
- 78) [2191] SG2020  
by "Jeff M. Gold" <JGold@tntech.edu>
- 79) [2192] Emtech 40 meters 4-sale  
by "Jeff M. Gold" <JGold@tntech.edu>
- 80) [2193] QRPp for Duane & others  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 81) [2194] panels  
by MSU1972 <MSU1972@aol.com>
- 82) [2195] Post Office Help  
by doug hauff <slmachco@fix.net>
- 83) [2196] I wanna moan as well . . . .LONGISH  
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 84) [2197] Re: Post Office Help  
by Erv <kb8tnq@voyager.net>
- 85) [2198] Re: I wanna moan as well . . . .LONGISH  
by Erv <kb8tnq@voyager.net>
- 86) [2199] RE: Post Office Help -- sick joke  
by Kevin Muenzler <wb5rue@stic.net>
- 87) [2200] Elmer update  
by Michael Maiorana <mikemo@ibm.net>
- 88) [2201] Re: Conductive grease  
by Bill Howell <bhowell@mail.utexas.edu>
- 89) [2202] Back to the Future Project (Tuna Tin 2, etc. updates)  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 90) [2203] Penetrox A  
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 91) [2204] FOX: N/T fox thursday night NOGLM

by "Buck, Preston D" <BuckPD@corning.com>  
92) [2205] Re: Fox log - 1/28  
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>  
93) [2206] Long Wire Antenna - A discussion ?  
by Stan Wilson <microres@crl.com>  
94) [2207] RE: Balanced Tuner vs. "T" "L" + Balun  
by ea8yu Goran <rodriguez@jet.es>  
95) [2208] 80 meter Beacon from Spain, Thursday & Friday this week . . .  
by nilsbull@juno.com (Nils R Young)  
96) [2209] got on the air  
by jdenison@morelr.com (JOEL DENISON)  
97) [2210] RE: Long Wire Antenna - A discussion ?  
by Kevin Muenzler <wb5rue@stic.net>  
98) [2211] Re: Post Office Help  
by Ed <edn4pk@VoyagerOnline.net>  
99) [2212] Re: Have RS1380 Info, still need RS1378 Info  
by Bill Howell <bhowell@mail.utexas.edu>  
100) [2213] FS: 38Special again  
by "N4ELM" <n4elm@ipass.net>  
101) [2214] FS: NORCAL paddle kit  
by "N4ELM" <n4elm@ipass.net>  
102) [2215] RE: Post Office Help  
by Kevin Muenzler <wb5rue@stic.net>  
103) [2216] RE: Post Office Help  
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
104) [2217] RE: Post Office Help  
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
105) [2218] Re: mic impeadance circuit  
by Roger Braker <msebrakr@telepath.com>  
106) [2219] Re: Post Office Help  
by "Roy Lincoln" <cc1595@cocentral.com>  
107) [2220] FYBO '98 {At T minus 9 days and counting}  
by wa5whn@juno.com  
108) [2221] FOX:N/T Fox this Friday night local, W2MBY  
by W2MY & W2MBY <n2mnn@spacegate.com>  
109) [2222] RE: Post Office Help  
by Kevin Muenzler <wb5rue@stic.net>  
110) [2223] Re: Post Office Help  
by Sam <kc5tja@animeonline.ml.org>  
111) [2224] Re: Post Office Help  
by Ed <edn4pk@voyageronline.net>  
112) [2225] Re: panels  
by Steven Weber <kd1jv@moose.ncia.net>  
113) [2226] Re: Post Office Help  
by Ed <edn4pk@voyageronline.net>  
114) [2227] Re: Post Office Help  
by Ed <edn4pk@voyageronline.net>  
115) [2228] Postal workers, humor, guns and butter

by Paul Helbert <phelbert@rica.net>  
116) [2229] LDG tuner and birdies  
by "Kelly Ellison" <kelman@dialnet.net>  
117) [2230] Re: Pre-FYBO Victory Party  
by Joe Gervais <vole@primenet.com>  
118) [2231] Re: panels  
by "Ron Smith" <resmith@primenet.com>  
119) [2232] Re: Post Office Help  
by Ed <edn4pk@VoyagerOnline.net>  
120) [2233] QRPer goes postal  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
121) [2234] delete love  
by the one and only <mitch96@pobox.com>

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Date: Tue, 27 Jan 1998 19:18:21 -0500  
From: "Bob Edwards, W4ED" <w4ed@flash.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2114] Re: Elmering - Simulation's role  
Message-ID: <34CE794D.A9540A6E@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Niel Skousen wrote:

> Bob, which package ??

Microsim vs 8.0. However, it is big & requires Win95 or NT.  
I've only used this and its earlier version. Many moons ago  
I used Applicon 2D & 3D stuff. If you recognize this, be kind.

> If simulation is to be incorporated into this  
> activity a standard set of tools is going to be key..  
>

Only if the elmer & students choose/want to simulate.  
The nature of hands on, trial & error, step by step circuit  
explanation that I think I'm hearing from the list, may not  
want to add the overhead of (yet another) complex tool.

I think I'm hearing that students want to learn about simple/basic  
RF circuit issues with quality elmer insight added along the way.  
Insight on choices, sensitivity factors, warnings, and some theory  
just to keep us on our toes. And of course, why an amplifier  
oscillates when an oscillator won't.

The talk about Circad has been separate from simulation.  
I'm not familiar with Circad (yet), but it appears to be schematic capture and PCB layout (only). I think they want to swap & store schematics as the course makes progress. Maybe bonus credit will be given to those that s(t)imulate too,,

-

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Tue, 27 Jan 1998 19:05:56 EST  
From: N10DL <N10DL@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2115] GUSHER ANT.  
Message-ID: <fc483b0f.34ce7665@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Where can I get more info on this antenna. I live in a townhouse and am always looking for a good stealth antenna.

Aron  
N10DL  
QRP-L#1326

-----  
Date: Tue, 27 Jan 1998 19:25:21  
From: Roger Braker <msebrakr@telepath.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2116] mic impeadance circuit  
Message-ID: <3.0.1.16.19980127192521.3c1fc726@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi All,  
I am in need of a circuit to match the impeadance of a 600 ohm mic to the 10K input of a tube radio. No odd transformers please. If at all possible, no ASCII skizes. Thanks for any help you can provide.

73,  
Arnold kd5ckh

-----  
Date: Tue, 27 Jan 1998 19:36:52 -0500  
From: "Bernard F. Gaffney, Jr." <n8pvz@qsl.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2117] Dayton Rooms  
Message-ID: <3.0.32.19980127193641.00694754@pop3.concentric.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I just reserved my room for Dayton, at the Byers Rd Knights Inn, near Days Inn Dayton South. So rooms are still available.

C U @ FDIM.

72 de N8PVZ

.  
Bernard F. Gaffney, Jr. N8PVZ  
MI-QRP# M-1152 QRP-ARCI# 9446  
n8pvz@qsl.net <http://www.concentric.net/~n8pvz/>  
We are QRP. Resistance is futile. You will be assimilated

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Date: Tue, 27 Jan 1998 16:51:33 -0800 (PST)  
From: doug hauff <slmachco@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2118] Enclosure Shipping Disaster Courtesy USPS  
Message-ID: <199801280051.QAA09026@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Fifteen of the 170 38 Special Custom Enclosures I shipped this last run have been returned by the Post Office with BLANK LABELS! A laser scanner or some such used by the post office totally removed the lettering on these packages...I make copies of shipping labels with either a photocopier or the copy function of my fax machine, it appears that all those with the funky thermal fax paper copies were erased by some means, leaving a blank white label...every label is undisturbed under at least two layers of clear shipping tape!! A few show traces of black lettering under folds in the



tape....AAAAUUUUUGGGGGHHHHHHH! S\*\*\*\*\*T!!

The hassle is, I HAVE NO WAY OF KNOWING WHICH ONES WERE RETURNED!!! More Mailings!! AAAAUUUUGGGGGHHHHHHHHH! S\*\*\*\*\*T!

IF YOUR HAVE ORDERED A 38S ENCLOSURE AND ARE IN THE CONTINENTAL U.S., AND DON'T RECEIVE YOUR BOX WITHIN A WEEK, PLEASE CONTACT ME!!!! All orders received by 1-24-98 were shipped by 1-25-98. S\*\*\*\*\*T!!!! I don't want to be here when the mailman comes tomorrow!!!  
AAAAAUUUUGGGGGHHHHHHHHH!!!!

72 Doug KE6RIE

-----  
Date: Tue, 27 Jan 1998 18:25:45 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: Roger Braker <msebrakr@telepath.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2119] Re: mic impeadance circuit  
Message-ID: <Pine.LNX.3.96.980127181952.21092B-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 27 Jan 1998, Roger Braker wrote:

> Hi All,  
> I am in need of a circuit to match the impeadance of a 600 ohm mic to the  
> 10K input of a tube radio. No odd transformers please. If at all  
> possible, no ASCII skizes. Thanks for any help you can provide.

I'm certainly no authority on this list as far as circuit design is concerned, but I'd like to use your request as an excuse to try and solve the problem with what little I know. To me, this sounds like a job for a common-base amplifier. You feed the signal into the emitter, grab its output off the collector, and you use the base strictly as a bias point.

The collector resistor would be 10K in this case. The emitter impedance depends on the biasing resistors on the base and from the emitter lead to ground, along with the transistor's hFE parameter.

This circuit does amplify voltage, so you may need an attenuator on either the output or input. Using a variable attenuator on the input side has the advantage of allowing you to control the AF "gain"...

Can anyone tell me if I'm on the right track here? :)

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

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Date: Tue, 27 Jan 1998 18:23:05 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: slmachco@fix.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [2120] Re: Enclosure Shipping Disaster Courtesy USPS  
Message-ID: <199801280123.SAA19671@usr07.primenet.com>

Doug (KE6RIE) wrote:

>  
> it appears that all those with the funky thermal fax paper copies were  
> erased by some means, leaving a blank white label...every label is  
> undisturbed under at least two layers of clear shipping tape!! A few show  
> traces of black lettering under folds in the tape....AAAAUUUUUGGGGGHHHHHHH!  
> The hassle is, I HAVE NO WAY OF KNOWING WHICH ONES WERE RETURNED!!! More  
> Mailings!! AAAAUUUUGGGGGHHHHHHHHH!

Hang in there man. We're with ya. Wow, and I thought  
having the FYBO info mangled by QST was a bad deal....

May I suggest one of my Mental Margaritas with the  
little bamboo umbrellas in 'em? It does a body good! :)

Don't worry, be happy!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when your feet are warm."  
- Dave Rose, Fellow Snowcamper

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Date: Tue, 27 Jan 1998 21:22:51 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

To: qrp-1 <qrp-1@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-1@webtrek.com>, forsale-swap@qth.net  
Subject: [2121] FS: Yaesu FT-707 complete station, \$625  
Message-ID: <Pine.LNX.3.95.980127212157.16483A-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Selling for a friend:

All is in excellent condition with boxes, manuals, etc.

Yaesu FT-707 Wayfarer HF xcvr, includes WARC bands.  
100 watts output, digital display.

FP-700 HD heavy duty power supply

FC-707AT antenna tuner

FV-707DM digital VFO

Along with a hand mic. \$625 for everything. Thanks!

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

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Date: Tue, 27 Jan 1998 18:30:43 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: qrp-1@Lehigh.EDU  
Subject: [2122] Re: Enclosure Shipping Disaster Courtesy USPS  
Message-ID: <Pine.LNX.3.96.980127182747.21092C-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> tape...AAAAUUUUUGGGGHHHHHHH! S\*\*\*\*\*T!!  
> The hassle is, I HAVE NO WAY OF KNOWING WHICH ONES WERE RETURNED!!! More  
> Mailings!! AAAUUUUUGGGGHHHHHHHHH! S\*\*\*\*\*T!

Calm down, calm down...everything is going to be OK...now hand me that  
shotgun, and let's talk about this for a few... :)

> IF YOU HAVE ORDERED A 38S ENCLOSURE AND ARE IN THE CONTINENTAL U.S., AND  
> DON'T RECEIVE YOUR BOX WITHIN A WEEK, PLEASE CONTACT ME!!!! All orders

> received by 1-24-98 were shipped by 1-25-98. S\*\*\*\*\*T!!!! I  
> don't want to be here when the mailman comes tomorrow!!!  
> AAAAAUUUUGGGGGHHHHHHH!!!!

This really is an issue that I'd bring up with your mail/package carrier's local office. I do hope that you're bringing this to their attention?

In related news, I shipped off a check to the ARRL to renew for three years, and lo and behold, they don't have it yet. It's been two weeks since I sent them the check. According to the ARRL, they never received it.. :(

Next time, I'm sending the son of a flashlight via registered, certified mail!

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

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Date: Tue, 27 Jan 1998 20:27:27 EST  
From: n7mfb@juno.com (Bill Todd)  
To: qrp-1@Lehigh.EDU  
Subject: [2123] Web Pages as e-mail - NOT with JUNO  
Message-ID: <19980127.172638.6823.0.n7mfb@juno.com>

>Perhaps I should try it, to see if it messes up.  
>  
>CUL, Bill-N7MFB

Well it didn't work. I guess the mandatory JUNO Tag Line is not wanted.

CUL, Bill-N7MFB

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

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Date: Tue, 27 Jan 1998 18:32:15 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2124] Re: FS: Yaesu FT-707 complete station, \$625  
Message-ID: <Pine.LNX.3.96.980127183143.21092D-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Yaesu FT-707 Wayfarer HF xcvr, includes WARC bands.  
> 100 watts output, digital display.  
> FP-700 HD heavy duty power supply  
> FC-707AT antenna tuner  
> FV-707DM digital VFO  
> Along with a hand mic. \$625 for everything. Thanks!

If I had the money to spend, I'd buy it now. As it stands, I must let  
this offer go... :(

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

-----  
Date: 27 Jan 98 16:57:33  
From: "mahlon.r.haunschild" <mahlon.r.haunschild@ac.com>  
To: "alan kaul" <alan.kaul@worldnet.att.net>  
Cc: "low power amateur radio discussion" <qrp-1@Lehigh.EDU>  
Subject: [2125] Re: Chrome base for the Norcal Paddles  
Message-ID: <9801280128.AA9802@notes2.compuserve.com>  
Mime-Version: 1.0  
Content-Type: Text/Plain

Hi, Alan.

I'd be interested, but I'd like to know what their surface prep requirements  
would be. Do we have to still do the  
de-scaling/sanding/polish-to-mirror-finishing ourselves, or would your place in

Van Nuys do this for us? If the latter, count me in. Otherwise, I'll stick to elbow grease and paint.

73

Mahlon - N4EEE

alan.kaul @ worldnet.att.net ("ALAN KAUL") (Mailed by: alan.kaul @ worldnet.att.net ("ALAN KAUL") @ internet)  
01/27/98 10:08 AM EST  
To: qrp-1@lehigh.edu ("low power amateur radio discussion") @ internet  
cc: (bcc: Mahlon R. Haunschild)  
Subject: Chrome base for the Norcal Paddles

Good news-bad news.

Let's have the good news first--

I let my fingers do the walking this morning and found a place in Van Nuys, CA, which will chrome plate small objects.

The bad news -- minimum order \$30. A lot for ONE NORCAL PADDLE, but if there are enough of us who might want to have shiny chrome bases for our K8FF-masterpieces, WE COULD GET THE BASIC COST AMORTIZED OVER A LARGE NUMBER OF KEYS!!

Until I go over and show the guy the actual base, I won't really know what he'd charge for 12-or-20-or-50 of them. But if there's enough interest from the list, I'd be proud to visit the shop and see what the best deal is per unit for "x" number of units. Of course, if we do this, don't forget about \$3-4 postage and wrapping for shipment each way between you and the Los Angeles area. If we like the deal, I'd have you ship me the key base with check to cover chrome plating and return postage. BUT BEFORE I GO SEE THE MAN, I'D LIKE TO HAVE A FAIRLY GOOD IDEA OF HOW MANY PEOPLE REALLY WANT TO HAVE CHROME PLATED BASES. If you don't think you're interested enough to reply, watch this space anyway -- when I get an estimate of realistic numbers, I'll post here the cost of ''units based on the number already signed up'' and will attempt to have an estimate for each ''additional unit.''

If this sounds like something you might be interested in, please send an e-mail to either of the below addresses. If you're not interested, then drop by the web page anyway!

73/72 de alan

Alan Kaul, W6RCL  
Amateur Radio website: <http://home.att.net/~alan.kaul/w6rc1.html>

alan.kaul@worldnet.att.net  
w6rc1@amsat.org

-----  
Date: Tue, 27 Jan 1998 20:31:37 -0500  
From: "\"W. Kimura\"." <W.Kimura@valley.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2126] Re: source for straight keys  
Message-ID: <199801280131.UAA08816@norwich.valley.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:57 AM 1/27/98 -0800, you wrote:

> Where can I get a good but cheap straight key? I have web surfed and  
> I can find \$200 gold plated ones, \$300 walnut based ones, even \$60  
> specials from Japan. Does anyone sell the brass key of 25 years ago?  
> Would the surplus places still have used ones?  
> Thanks  
>  
> Ed Kwik qrp-1 #1444  
>

Try an Ameco K4. They are inexpensive, brass based with ballbearing pivots.  
On the down side, they are light (designed to be screwed to the bench).  
However if you double-stick tape them to a piece of flat marble from an  
old trophy, they work just fine! No comercial interest here, hope your  
mileage doesn't vary.

Kim Kimura N1MVU

-----  
Date: Tue, 27 Jan 1998 20:39:54 -0500  
From: Fred Lesnick <flesnick@Quetico.tbaytel.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2127] OHR Kits  
Message-ID: <34CE8C69.3E68@tbaytel.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have purchased 2 kits in the last five years through a Canadian

distributer, and have had no trouble with missing parts or technical assistance. And all is supplied through are American counterpart. Great kits.

Freed VE3FAL

FISTS 2337

GQRP 7560

-----  
Date: Tue, 27 Jan 1998 21:00:34 -0500  
From: "Bob Edwards, W4ED" <w4ed@flash.net>  
To: ve7ldh@direct.ca  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2128] Re: Elmering project  
Message-ID: <34CE9142.CBF849B6@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

In over my head ,,, but here goes.

Laura Halliday wrote:

> If people want 100-level EE knowledge, why not consult a local  
> college or university and take the relevant courses?

Cause we don't get \*graded\* and we do take away a neat lil HB rig.

Seriously, this form of learning is very specialized in practical HB HF RF circuitry appealing to Novice through Extra class amateurs. Key word being amateur, ie, hobbyist. Could very well spur some on to (more) higher education and that would be great.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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-----  
Date: Tue, 27 Jan 1998 19:53:52 -0600  
From: jmbrown@edge.net (JERRY BROWN)



To: qrp-1@Lehigh.EDU  
Subject: [2129] Little Red Key  
Message-ID: <34CE8FB0.696A@edge.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Trying to e-mail "The American Radio QRP Key Mfg Co. per info in most recent QQ ad (page 62) without success. Anybody know how to get in touch with these guys? I want to find out more about their keys.

Jerry, N4EO

-----  
Date: Wed, 28 Jan 1998 13:02:16 +1000  
From: lenriquez@pacific.simoco.com (Luke Enriquez)  
To: qrp-1@Lehigh.EDU  
Subject: [2130] RE : SLV Question ?  
Message-ID: <00007DDA.4068@pacific.simoco.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

G'day All,

I am constantly amazed the the friendliness of people who answer my questions on the qrp-1. To refresh your minds, I was building at the last minute (never a good idea) a SLV and could not work out how to fit 56 feet of ribbon cable onto the 4 foot base section. It turns out that my extendable fishing pole (called Squid poles in VK) is of a smaller diameter than the ones available in the USA. The diameter of the pole is about 1.25 inches, which explains why I could only fit about 16 feet of ribbon cable on. Some of you suggested to use a particular type of ribbon cable, sold by Radio Shack. Unfortunantly, we have no "Radio Shack" outlets in Australia.

I'm going to continue to experiment with the pole I have now, since they are cheap (\$15 Australian) and light. The antenna is to be used specifically for back-packing, so it has to be light and robust. Thanks again to all those who replied, and I would be very interested in anyone who has adapted the SLV onto a smaller diameter fishing pole, and kept it light weight and robust.

Regards,  
Luke

VK3EM

-----  
Date: Tue, 27 Jan 1998 20:47:52 EST  
From: N1ODL <N1ODL@aol.com>  
To: QRP-l@Lehigh.EDU  
Subject: [2131] CHEAP KEYS  
Message-ID: <6f17160c.34ce8e4a@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Don't forget about the Whiterook keys. I have a key and a paddle and enjoy  
them both very much.  
they are on the web...www.whiterook.com  
Aron  
N1ODL  
QRP-L#1326

-----  
Date: Tue, 27 Jan 1998 21:23:35 -0500  
From: N4JS <n4js@pobox.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2132] Re: Enclosure Shipping Disaster Courtesy USPS  
Message-ID: <v03110702b0f446f4a8d9@[206.106.174.44]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

! A few show traces of black lettering under folds in the  
>tape....AAAAUUUUUGGGGGHHHHHHH! S\*\*\*\*\*T!!  
>The hassle is, I HAVE NO WAY OF KNOWING WHICH ONES WERE RETURNED!!! More  
>Mailings!! AAAAUUUUGGGGGHHHHHHHHH! S\*\*\*\*\*T!  
>  
Is this called "going Postal?"

          \_/      \_/  \_/  \_/          \_/  \_/  \_/  John L. Sielke  
n4js@pobox.com  
          \_/  \_/      \_/  \_/          \_/  \_/          n4js@qsl.net  NJ  
Grid:FM29LN  
          \_/  \_/  \_/  \_/  \_/          \_/  \_/          http://www.qsl.net/n4js  
NJ-QRP #57  
          \_/  \_/          \_/  \_/          \_/          QRP-L #884  QRP-ARCI  
ICQ# 3789653

|      | _/     | _/    | _/     | _/_/  | _/_/_/       | QCWA      | CQrp   | CQC    | ARS    |
|------|--------|-------|--------|-------|--------------|-----------|--------|--------|--------|
| #243 | FISTS  | #2781 |        |       |              |           |        |        |        |
|      | G-QRP  | #9544 | Norcal | #1989 | ARQrp, AKQrp | Formerly: | K3HLU, | W7JEF, | W4MPC, |
|      | TF2WKT |       |        |       |              |           |        |        |        |

QCWA CQrp CQC ARS

Date: Tue, 27 Jan 1998 21:21:46 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: njqrp@njqrp.org, qrp-1@Lehigh.EDU  
Subject: [2133] Whiterook products  
Message-ID: <4f40cfad.34ce963b@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Here's the link <A HREF="http://www.west.net/~wpc/mk65.html">Whiterook Products MK-65 TiCK Pocket Mini-Pad...</A>

Date: Tue, 27 Jan 98 21:17:56 PST  
From: "Tim Ahrens" <tahrens@inetport.com>  
To: qrp-1@Lehigh.EDU  
Subject: [2134] FOX? Where'd he go?  
Message-ID: <MAPI.Id.0016.00616872656e73203030303730303037@MAPI.to.RFC822>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"  
Content-Transfer-Encoding: quoted-printable

Well, heard the wiley fox for 2 qsos, 599... booming in, then nada, zip, zilch, etc!

Sounds like the digi curtain is up in force!

only a couple of signals now,, band seems pretty crummy..  
maybe everyone is listening to the commander in chief.

CU

Tim W5FN

Date: Tue, 27 Jan 1998 22:27:24 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Cc: "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [2135] Fox?--Anyone Spot Him?  
Message-ID: <199801272232\_MC2-30E7-8F85@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Gang:

Maybe I have the date wrong...but don't think so. Hmmmmmm. But there has been no sign of the FOX yet :-(. Anybody heard him? No sign of pack, either. Did hear Ron KU7Y just beforehand.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19  
nj-qrp 69 ak/qrp 139 ar/qrp 73 hi/qrp 30 ARCI 9398 QRP WAS 44/42  
ARRL DXCC 73/44 Grid EN34 <>< FOXes 1/25/98 = 26. A 1997/98 FOX.

-----  
Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er  
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan  
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

-----  
Date: Tue, 27 Jan 1998 20:38:08 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2136] Re: Fox?--Anyone Spot Him?  
Message-ID: <34CE45B0.242B8730@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

No Fox, no pack....couple qso's around 7040, 7042 but not much else.

--

72/73, de Roger, N7KT

-----

Date: Tue, 27 Jan 1998 21:38:36 -0600  
From: "Roger Whitaker [K9LJB]" <k9lj@iname.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2137] Re: source for straight keys  
Message-ID: <34CEA83A.7AFBC3F3@iname.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My two cents worth on this one. I, too endorse the Ameco K-4, heartily! I had one for more decades than I want to think about. A couple of years ago gave it to a very dear friend as a going away memento and to help him get started in this great CW part of the hobby. For "economy" it is the best buy IMHO. I have used the K-4 mobile, field day, home station, etc. The only caveat is: Don't let the ball bearings get away.

The MFJ-550, which I also have, works OK, but is a little flimsy for my, (sometimes vigorous when chasing foxii,) sending :-). No, I didn't break one, but the armature (lever) flexes in the heat of battle and that just doesn't feel quite right to me.

That being said, I still am having a love affair with my, recently purchased, High Mound HK-708. It is the smoothest operating straight key I have owned so far and is very rugged.

Usual disclaimers and contents may settle in shipping.

--

Roger B. Whitaker K9LJB QRP-1 #1403  
Keys: HK-708, Nye-Viking, J-45, MFJ-550, Norcal paddles, Bencher paddles, Viking paddles (mobile) & 1930's Standard Radio Vibroplex Original copy.

Remember it's nice to be important,  
but it's more important to be nice.

Home page: <http://www.cityscape.net/~whitaker/>

-----

Date: Tue, 27 Jan 1998 22:42:10 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: <70511.3041@compuserve.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [2138] Re: Fox?--Anyone Spot Him?  
Message-ID: <01bd2b9e\$b7155e60\$340f48a6@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Nothing heard here in CT from 0300 to 0330. Lots of digital sigs (as usual). Will try again in a little while.

Ken K1XS@ibm.net

-----  
Date: Tue, 27 Jan 1998 20:44:41 -0700 (MST)  
From: flydnq7x@primenet.com (Floyd Smithberg)  
To: qrp-1@Lehigh.EDU  
Subject: [2139] Fox  
Message-ID: <199801280344.UAA10638@smtp04.primenet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Worked him at 0329 on 7037.81 vly weak and just above noise level for brief periods 1-2 minutes. He called CQ several times with no takers and again disappeared into the noise :-( He's still there but in the noise at 0343...GL  
73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343  
ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=108

-----  
Date: Tue, 27 Jan 1998 21:08:58 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: qrp-1@Lehigh.EDU  
Subject: [2140] Variable Capacitors  
Message-ID: <Pine.LNX.3.96.980127210752.21092G-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, I've been perusing through the Digikey, Radio Shack, and Newark catalogs, and I can't find any panel-mounted variable capacitors anywhere. Anyone here know of where I can find some? Thanks. :)

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

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Date: Tue, 27 Jan 1998 23:09:17 -0600  
From: Bob Liesenfeld <wb0poq@visi.com>  
To: qrp-1@Lehigh.EDU  
Subject: [2141] Re: Variable Capacitors  
Message-ID: <34CEBD7D.190B618C@visi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sam wrote:

>  
> OK, I've been perusing through the Digikey, Radio Shack, and Newark  
> catalogs, and I can't find any panel-mounted variable capacitors anywhere.  
> Anyone here know of where I can find some? Thanks. :)

For a pretty good selection at reasonable prices try

<http://www.fix.net/dans.html>

72

--

Genuine E-mail From the Land of the Everlasting Icicle...  
Bob Liesenfeld  
wb0poq@visi.com

-----

Date: Tue, 27 Jan 1998 23:19:33  
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2142] Fox in Deep Cover - Shots Fired on 7.0365  
Message-ID: <3.0.3.16.19980127231933.3547e84a@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I can hear some hunters....but no fox.

Condx real bad. I could hardly hear W1AW tonite either and they always boom in.

Gary in SC

=====

72/73 de W2UX

Gary McCaughey

Lexington, SC

CW is the REAL THING!

Use it....or lose it.

QRP-ARCI QRP-L CQC

=====

-----

Date: Tue, 27 Jan 1998 23:27:19 EST

From: MSU1972 <MSU1972@aol.com>

To: qrp-l@Lehigh.EDU

Subject: [2143] keys-qrp

Message-ID: <38138094.34ceb3a8@aol.com>

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

I agree...Whiterook keys are great for qrp operation. I've coupled mine with a K8+ keyer in an Altoid tin (\$6.00 chip includes:iambic,speed control,tuning control, code practice osc, and much more). John at Whiterook is a great help and tops for customer service...

David, KB80CC

-----

Date: Tue, 27 Jan 1998 21:31:53 -0700

From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>

To: qrp-l@Lehigh.EDU

Subject: [2144] FOX on 7.0367 at 0434z

Message-ID: <3.0.3.32.19980127213153.0068c4e4@dante.nmsu.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

He's in there but weak.

Tim K50I



-----  
Date: Tue, 27 Jan 1998 22:42:23 -0600  
From: Goemans <jgoemans@facstaff.wisc.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [2145] Fox, NADA!  
Message-ID: <199801280439.WAA52722@mail1.doit.wisc.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, a dismal night here in SC Wi. No trace of fox, only heard hunters NQ7X and W6ZH in first half hour. Had to console myself by working WE6W, N6WG, K1MG on the left coast, also crying in their beer I guess. It was either digital droids all over, or \_no signals at all\_.

72, Paul

Paul R Goemans WA9PWP  
1508 Sundt Lane  
Stoughton, Wi. 53589-1069                      608-877-4151  
QRP ARCI 7291    NorCal 1226    QRP-L 127    FISTS 2153    G QRP 9879

-----  
Date: Tue, 27 Jan 1998 21:39:42 -0700  
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [2146] FOX on 7.0367 at 0441z  
Message-ID: <3.0.3.32.19980127213942.00690248@dante.nmsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

He's still in there and much stronger. Can hear him on the low ZEP but nada on the Titan. Interesting!

Tim K50I

-----

Date: Tue, 27 Jan 1998 23:01:09 -0600 (CST)  
From: Adrian Weiss <aweiss@sunflowr.usd.edu>  
To: QRP-L@fidoi.cc.lehigh.edu  
Subject: [2147] RE: Balanced Tuner vs. "T" "L" + Balun  
Message-ID: <Pine.SOL.3.94.980127224949.27150D-100000@sunburst>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Juan EA5XQ asked a question: whether it is better to build a balanced tuner for feeding balanced line (twinlead), or to use a standard "T" or "L" network + 4:1 balun.

The answer is, quite simply: yes. The balun {always} absorbs power.

I posted some comparison figures a while back, based on field-strength measurements, that showed that the popular "T + balun" tuner loss ranged from 1dB to 6.6dB.

Since then, I've been experimenting with balanced tuners. The gap widens, since the AC-5 used in the earlier comparison is not, strictly speaking, a standard balanced tuner with link coupling. The balanced tuners have widened the gaps in the original comparisons. The "T + balun" is looking pretty sick at this time!

As for circuits, check the ARRL Antennabook for discussion and the basic circuits and conditions for series vs parallel tuning. One point: do not use a split-stator gang-tuned variable capacitor across the output inductance!!! The key is "lumped L/C".

In the parallel case, both the capacitor and two sides of the feedline are connected to the same point on the inductances. Do not use split-stator gang-tuned capacitors with the stator grounded. A single capacitor, either in parallel with the coil, or, in the series arrangement, a single capacitor connecting the two sides of the antenna output coil.

Ideally, a "swinging link" should be used, i.e., the link is wound on its own narrow-width coil form which can be moved into flush with the two antenna coils, or moved out of their "plane."

"Little" has a limit. A 1.25" coil dia. is about as low as you want to go.

Good luck Juan!

-----  
Date: Wed, 28 Jan 1998 00:24:48 -0500  
From: "duane" <duane@flinet.com>  
To: "qrp-l group" <QRP-L@Lehigh.EDU>  
Subject: [2148] QRPP journal  
Message-ID: <01bd2bad\$0ce65480\$1a180ed0@ab4be.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Doug, Jim, or Jerry

Just a note to let you all know I still have not recieved the Jan. QRPP Journal. I sent Doug my address but no reply yet. If ya need it again please drop me a line. I'm going into withdraws from lack of reading the QRPP. I dont know who in charge of sending them out so thought I'd address all of you. anyways 72's and I'll hang in there waiting. boy my soldering iron sure looks lonely.....

ab4be

Duane

duane@flinet.com

-----  
Date: Tue, 27 Jan 1998 21:23:08 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: "Stan LaPointe" <lapointe@dnai.com>  
Cc: <qrp-l@Lehigh.EDU>  
Subject: [2149] MORE: Chrome base for the Norcal Paddles  
Message-ID: <19980128052341.AAA8708@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Gang... a couple of things to report.

I talked to the man in person and CHROME BASE is reasonable IF WE GO FOR AT LEAST 6-7 MINIMUM!!!

HERE'S THE DEAL: we would have to sand the top face smooth, removing all scale, scars, scabs, etc. He would take the nicks and scratches out of the edges. And he would plate the top and the four sides. HE WOULD NOT PLATE THE BOTTOM. Cost about \$5 per base. The catch is -- we must each finish

the top to a very smooth finish or the chrome won't look very good.

Realistically, if you're going to paint one you have to prepare it just as well anyway---i.e. remove the scale, sand it smooth, etc. Then for \$5 more plus postage and container, you could have it plated with .003-.004 inches of copper and chromium.

Time: if we got the order in this Thursday, keys would be ready to ship on 2/13, next Thursday and they'd ship on 2/20, etc. Because there is a \$30 minimum, we'd want to wait til the last key arrived before we sent them off to be plated.

Despite the drawbacks (1-elbow grease req'd, 2- \$5/cost per base, 3-two/three week wait) is anyone still interested? ALSO FYI ---- if you'd rather have brass-plated base than a chrome-plated base, the cost is the same but we'd probably also need the same minimum number of orders to satisfy the plating \$30/min.

Awaiting your reply.... 73/72 de alan

Alan Kaul, W6RCL

Amateur Radio website: <http://home.att.net/~alan.kaul/w6rcl.html>

alan.kaul@worldnet.att.net

w6rcl@amsat.org

-----  
Date: Tue, 27 Jan 1998 22:29:54 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: qrp-1@Lehigh.EDU  
Subject: [2150] QRPp Sample Issues  
Message-ID: <Pine.LNX.3.96.980127222901.21092N-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is there a sample issue of QRPp available? What is it? How much does it cost to subscribe to it? Who publishes it? "Inquiring minds want to know!" (tm) :)

Thanks in advance...

=====  
-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

-----  
Date: Tue, 27 Jan 1998 21:28:29 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2151] Re: Fox  
Message-ID: <Pine.SUN.3.90.980127212316.11083C-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well,

That was one hard to find fox!

I heard him a couple of times but couldn't have given him so much as a 219! Called of course because DXers and FOXers are eternal optimists! But nada....

At about 0430z I began to hear him just at the noise level. This was with ALL the filters kicked it to help get the best S/N ratio. Then I moved the "tone" down to about 400-500 hz.

That was enough to do it. Now I could copy. It took about 3 tries but we made it! Sigs were building. When I sent my number to him again, he said I popped up to S5!

Man, you just gotta love 40m. Just about the time you think it's got the best of you, it seems to give you one more chance!

Good ears Bob and thanks for the pelt!

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Wed, 28 Jan 1998 00:26:55 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [2152] FOX:No Joy in MN tonight  
Message-ID: <199801280031\_MC2-30EC-D39F@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Gang:

Have never heard worse conditions on 40 Metres than tonight. Heard one QSO in the early going....then two about 20 minutes from the end. Lots of digital noise in there, and a few very \*LOUD\* Stateside signals not related to FOX hunts.

This is the \*sixth\* FOX hunt this season where I could hear absolutely nothing from the FOX here at K0EVZ. Frustrating <VBG>. Oh well.

Should have known it might be long, as 30 Metres was thick with DX about three hours earlier. Worked EA8CN and R1VCF with 4 watts out into the GAP. Long QSO's, solid copy, good RST's both ways. Also worked WY on both 30 and 40 for QRP/WAS between 2000-2115Z.

Well there is another hunt this week--Brian AE9K--this Thursday local time. Here's hoping all of us snag him and that we have much improved conditions.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19  
nj-qrp 69 ak/qrp 139 ar/qrp 73 hi/qrp 30 ARCI 9398 QRP WAS 50/49  
ARRL DXCC 73/44 Grid EN34 <>< FOXes 1/28/98 = 26. A 1997/98 FOX.

-----  
Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er  
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan  
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

-----  
Date: Tue, 27 Jan 1998 21:50:38 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: JERRY BROWN <jmbrown@edge.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2153] Re: Little Red Key  
Message-ID: <Pine.SUN.3.90.980127214837.11083G-1000000@vortex>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jerry,

My post to his e-nail also bounced. That address is his daughters and it might just be a full mail box or something. It worked about two weeks ago.

I'll keep trying to contact him and will let you all know what I find out.

I misspelled a word in his ad and need to let him know that it will be right in the next issue.

I wonder how many have noticed it??

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Tue, 27 Jan 1998 21:52:48 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Bob Follett <bfollett@ditell.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2154] RE: Tower Web Site -- Check It Out!  
Message-ID: <Pine.SUN.3.90.980127215200.11167A@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 27 Jan 1998, Bob Follett wrote:

> Best laugh of the week -- and certainly could put Ron Stark to shame :-)

Aw gee Bob,

Now you let the cat out of the bag!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Wed, 28 Jan 98 00:46:19 -0400  
From: chuck.olson@sbaonline.gov  
To: qrp-1@Lehigh.EDU  
Subject: [2155] ELMERING PROJECT  
Message-ID: <9801280046.A9351wk@sbaonline.gov>  
Content-Type: text

>From: "Wayne Barnhart" <wb7whi@triax.com>  
>Subject: [2002] Re: Elmering project

>Also, I don't know if you are aware or not the textbooks you are  
>talking about would require most people to take out a loan on their

Wayne -

I just received a nice but inexpensive electronics text book called "Electronic Devices" by Thomas L. Floyd (ordered from Edward R. Hamilton, Falls Village, CT 06031-5000, their stock number 607436, ISBN # 0-675-20883-1). This book (copyrighted in 1988) is an 834 page introductory electrical engineering text on diodes, bipolar transistors, FETs, op-amps, oscillators, active filters, voltage regulators and more. The interesting thing is that he ties all of the subjects to one system, a superhet radio - this is a neat approach to "making things relevant" for the student. I haven't really read it much, yet, but for \$3.95 + 3.00 shipping, I couldn't go wrong.

I also got a massive book on Linux called "Linux Unleashed" for \$5.95.

If you love books and aren't familiar with Edward R. Hamilton, watch out!! While they do have a web site, their primary focus is sending out two seperate mail order catalogs on a very regular basis. One catalog is called Super Store - it has current titles at roughly 30% off. The other is called Bargain Books and has older but still interesting books for as little as \$1.00. They have a flat shipping rate of \$3.00 per order. They do mail order only - no telephone or credit card sales. The catalogs are newspaper style with lots of very small type - be prepared to do a lot of panning but there's usually at least one "gold nugget" in every catalog.

Best Regards,



Chuck Olson  
WB9KZY  
Jackson Harbor Press  
Washington Island, WI

-----  
Date: Wed, 28 Jan 1998 01:07:49 -0800 (PST)  
From: Sam <kc5tja@animeonline.ml.org>  
To: qrp-1@Lehigh.EDU  
Subject: [2156] Inductor Values and Transformers...  
Message-ID: <Pine.LNX.3.96.980128010623.22147C-1000000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello!

I'm trying to make an AF amplifier, and it needs to have a 5K input and output impedance. Each stage is 20dB. However, in order to give it a 5K output impedance, the component values end up such that the input impedance is about 1K. This is fine for the first stage, but I need a consistent 5K impedance for the second and third stages. This means I'll need two impedance matching transformers for the amplifier chain.

Basically, I need to make a transformer that has a 5K to 1K ratio. However, I was wondering how, if possible, I can build one. According to my calculations, the inductance of the primary side will have to be approximately 2.5H!! Is this a normal sized inductor for AF frequencies?! Does anyone have tips for building an inductor this size? :D

If I can't make the impedance of the primary coil have 5K, then I'll tone it down, and use a series resistor as well ( $X_t = \sqrt{R^2 + X_L^2}$ ). But I'd rather not do that if I don't have to... :)

Thanks for the advice in advance.

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

-----  
Date: Wed, 28 Jan 1998 03:23:43 +0000  
From: Leon Heller <leon@lfheller.demon.co.uk>  
To: msebrakr@telepath.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2157] Re: mic impedance circuit  
Message-ID: <AvtUNGA\$Sqz0EwTp@lfheller.demon.co.uk>  
MIME-Version: 1.0

In message <3.0.1.16.19980127192521.3c1fc726@telepath.com>, Roger Braker  
<msebrakr@telepath.com> writes  
>Hi All,  
>I am in need of a circuit to match the impedance of a 600 ohm mic to the  
>10K input of a tube radio. No odd transformers please. If at all  
>possible, no ASCII skizes. Thanks for any help you can provide.

Feeding a high impedance from a low impedance source won't cause  
problems at AF, you don't need to maximise power transfer. Have you  
tried it?

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>  
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424  
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850  
DDS system. See " /diy\_dsp.htm for a simple DIY DSP ADSP-2104 system.

-----  
Date: Wed, 28 Jan 1998 10:03:21 +0100  
From: "Norbert.Heyder" <norbert.heyder@ri.dasa.de>  
To: "QRP-L (Message Liste)" <qrp-l@Lehigh.EDU>  
Subject: [2158] CQ NA by DL8BDF/p  
Message-ID: <34CEF459.A5A4C2E6@ri.dasa.de>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

I'm QRV today (especially looking for QRP-L members)  
on ~14.060Mc at 14:00UTC until 16:30UTC having the beam pointed to NA.

Would be glad to meet some of you there!

72 de Bert, DL8BDF

+++ E-Mail: norbert.heyder@ri.dasa.de +++  
+++ QRP-L #204 +++

-----  
Date: Wed, 28 Jan 1998 08:51:16 +0000  
From: Leon Heller <leon@lfheller.demon.co.uk>  
To: kc5tja@animeonline.ml.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2159] Re: Inductor Values and Transformers...  
Message-ID: <WaDBgNAEGvz0EwDN@lfheller.demon.co.uk>  
MIME-Version: 1.0

In message <Pine.LNX.3.96.980128010623.22147C-100000@animeonline.ml.org>, Sam <kc5tja@animeonline.ml.org> writes  
>Hello!

>  
>I'm trying to make an AF amplifier, and it needs to have a 5K input and  
>output impedance. Each stage is 20dB. However, in order to give it a 5K  
>output impedance, the component values end up such that the input  
>impedance is about 1K. This is fine for the first stage, but I need a  
>consistent 5K impedance for the second and third stages. This means I'll  
>need two impedance matching transformers for the amplifier chain.  
>  
>Basically, I need to make a transformer that has a 5K to 1K ratio.  
>However, I was wondering how, if possible, I can build one. According to  
>my calculations, the inductance of the primary side will have to be  
>approximately 2.5H!! Is this a normal sized inductor for AF frequencies?!  
>Does anyone have tips for building an inductor this size? :D  
>  
>If I can't make the impedance of the primary coil have 5K, then I'll tone  
>it down, and use a series resistor as well ( $X_t = \sqrt{R \cdot R + X_L \cdot X_L}$ )).  
>But I'd rather not do that if I don't have to... :)

You just need voltage gain in this type of amplifier, so you don't need  
to match the impedances. Have a look at page 8.5 of the ARRL Handbook.  
Impedances aren't even matched in hi-fi audio amp output stages - the  
typical output impedance is a fraction of an ohm into an 8 ohm load!

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>  
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424  
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850

DDS system. See " "/diy\_dsp.htm for a simple DIY DSP ADSP-2104 system.

-----  
Date: Wed, 28 Jan 1998 05:20:43 +0000  
From: k5zty@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [2160] re: Elmering project  
Message-ID: <19980128.124435.6526.0.k5zty@juno.com>

I cant imagine how building another kit is going to make a designer out of me. The kit is already designed, layed out and tested. At the very least ,to make this thing work at all, the kits for this project should be shipped without any instructions, schematics, parts lists, layouts or any other information. A board and a bag of parts. Actually we shouldn't even get boards. Part of designing is designing the board. If we are going to use Circad, we will make our own schematics. We will find out which part goes where by doing the calculations. If this thing works, we will all have Nor Cal 40A schematics just like the original, pc boards like the original and all the parts will be in the right places when we are through. Sounds too good to be true.  
Bill, K5ZTY

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 28 Jan 1998 08:06:37 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
To: dave\_epps@juno.com  
Cc: qrp-1 <qrp-1@Lehigh.EDU>, eax@w3eax.umd.edu, Laurel ARC <larc-1@webtrek.com>  
Subject: [2161] Ten-Tec group buy info!  
Message-ID: <Pine.LNX.3.95.980128080505.19954C-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

ANNOUNCING: Ten-Tec T-kits 10% off group purchase! (still going strong!)  
-----

Overwhelming response has told me that the \$500 overall minimum order is a no-brainer.

The GROUP PURCHASE is a reality!

#### WHAT'S INCLUDED

Ten-Tec makes a lot of really nice kits - HF/2m wattmeter, 6m & 2m xverters, 50/144/220 MHz FM mobile rigs, 20/30/40m CW QRP rigs, a dummy load, a general coverage receiver, single-band receivers, module boards, and much more.

These kits can be viewed at [www.tentec.com](http://www.tentec.com). Questions can be sent to [sales@tentec.com](mailto:sales@tentec.com) or via telephone at 1-800-833-7373.

#### HOW THIS WORKS

As with the four previous LDG antenna tuner/balun kit purchases we've done, everything has to be purchased at once by a single person, and shipped to that person. That person would be me.

#### STEP ONE

You tell me what kit(s) you want from Ten-Tec.  
I need a shipping address (UPS).  
I need home and work phone numbers.  
Your e-mail address helps, too.

#### STEP TWO

I figure out the price given the 10% discount, shipping TO my house, and re-shipping (UPS is just down the street from my house) and insurance to your location.

Examples:

The Model 1208 20-to-6m transverter lists \$95, and becomes \$85.50.  
The Model 1340 40m QRP rig lists \$95 and is \$85.50.  
The Model 1230 220 MHz FM xcvr lists \$295, and is \$265.50.  
The broadband preamp module board, Model 1001, lists for \$9 and is \$8.10.

#### STEP THREE

You reply by sending me a check or money order, payable to me, for said amount.

An ADDRESS LABEL is appreciated but not required.

#### STEP FOUR

I notify you of its arrival Chez Rosenfeld.

#### STEP FIVE

I deposit it and verify that everything clears, and once the purchase closure date has passed, make the purchase.

#### STEP SIX

I receive several big boxes, make a mess of my living and dining rooms for a weekend, and re-package everything.

#### STEP SEVEN

I address everything and run it over to UPS and/or the Post Office, completing the process.

I'll keep the order window open until February 11, 1998.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

On Tue, 27 Jan 1998 dave\_epps@juno.com wrote:

> Pls send the info on the ten tec group buy.

>        tks dave ab5pc fresno, ca.

>

>

> -----  
> You don't need to buy Internet access to use free Internet e-mail.

> Get completely free e-mail from Juno at <http://www.juno.com>

> Or call Juno at (800) 654-JUNO [654-5866]

>

-----  
Date: Wed, 28 Jan 1998 08:08:53 -0500 (EST)

From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

To: LARRY LOGEN <logen1@hotmail.com>

Cc: qrp-l <qrp-l@Lehigh.EDU>, Laurel ARC <larc-l@webtrek.com>, eax@w3eax.umd.edu

Subject: [2162] QRP Banquet registration continues

Message-ID: <Pine.LNX.3.95.980128080716.19954D-100000@w3eax.umd.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The QRP banquet is well over 10% booked! (not 10% overbooked :)

Where's this shin-dig gonna be held?

At the Days Inn Dayton South, Miamisburg, OH, just off I-75, about 10 miles south of Hara Arena.

When?

Friday, May 15, 1998 at 7 p.m.

How about FOOD? We're gonna be hungry!

After a day of hamfesting, yes, you WILL be hungry...try a multi-course buffet WITH dessert!!!

Sounds like a lot of food...What does it cost?

The cost is \$22...a bargain considering the amount of food & fun you'll be getting...

Oh yeah? How much fun could it POSSIBLY be???

The keynote speaker will be the one and only Ade Weiss. He is a member of the QRP ARCI Hall of Fame, and famous author of The Joy of QRP and The History of QRP.

In addition, I'm practicing my Billy Crystal impressions and looking for good material.

Anyone have any???

Besides, a raucous dinner with 250 other QRPers from all over the world? How can that NOT be a good time?

OK, I'm sold. So where do I get tickets?

I consider them to be for sale NOW. I know I'd planned early Feb., but

WHAT'S THE POINT IN WAITING?

For information about potential door prize contributions, please contact me.

Scott Rosenfeld NF3I

4015 Sparrow House Lane  
Burtonsville, MD 20866-1333

301-549-1022 (h)  
301-982-1015 (w)

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

-----  
Date: Wed, 28 Jan 1998 04:23:24 -0800 (PST)  
From: Stanley Wilson <microres@crl.com>  
To: Sam <kc5tja@animeonline.ml.org>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2163] Re: Inductor Values and Transformers...  
Message-ID: <Pine.SUN.3.91.980128041453.21592A-100000@crl9.crl.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sam you need to supplied additional information. Do you want to use transistors, op amps, or tubes? Audio transformers are very tricky and even transformer design houses have problems getting the response and the impedance correct, usually go through a few prototypes to get it correct. The build a gap into the core to control the inductance.

Since you want about 20 db I would expect you would use transistors. Op amps have a very low out impedance less than 50 ohms.

Need the following:

- Input level
- Desired gain
- power supply voltage (single or dual)
- Input and Output impedance (what are you connecting)
- Frequency response (bode points desired)
- Distortion (max value)

That would be a good start.

de stan ak0b



-----  
Date: Wed, 28 Jan 1998 13:21:45 +0000  
From: k5zty@juno.com  
To: RangerSF5@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [2164] Re: OHR KIT  
Message-ID: <19980128.133707.8870.0.k5zty@juno.com>

Bob,

You must be the Joe Bltzftzpftzk of QRP kit builders. I can't imagine 11 parts missing in one kit. I have built 5 OH R kits and haven't had one part missing. Dick has helped me on both Email and by phone. In my opinion, on their best day, Heathkit never built a better kit than OHR. I think there is more to this story than I have been priviledged to.  
Bill, K5ZTY  
Houston, TX  
k5zty@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 28 Jan 1998 06:47:56 -0600  
From: "JUNIUS B FOX" <w5hir@gte.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [2165] Re: Variable Capacitors  
Message-ID: <199801281251.GAA15898@smtp2.mailsrvcs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

You can find some panel mounted variables at Dan's Small parts.

Foxy

If it ain't broke, don't mess with it!

-----

Date: Wed, 28 Jan 1998 05:13:22 -0800 (PST)  
From: Laird Jerman <ljerman@earthlink.net>  
To: bcutter@teal.csn.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [2166] Re: ICOM repair  
Message-ID: <199801281313.FAA01881@iceland.it.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:52 AM 1/27/98 -0700, Bob Cutter wrote:

>My Icom R7100 receiver appears to need some help.

>

>Anyone have any recent repair experience?

>

>72, Bob KI0G

>

>

>

It might be a little far for you, but I had a rig repaired (ICOM), at the Maryland Radio Center in Laurel, Md. Got the rig back in less than a week.

72, Larry WA3IMF

-----  
Date: Wed, 28 Jan 1998 08:46:59 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: talljazz@teleport.com, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [2167] [2026] Re:Mac's, slow dos, & circad  
Message-ID: <34CF6103.DF092466@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm not familiar with Circad, but most drawing programs will let you output to a printer file or plotter file such as HPGL or HPPCL. Is there a possibility you could then direct the file to your own printer input the hpgl into some Mac program?

Lyn

W4WDN

-----  
Date: Wed, 28 Jan 1998 08:53 -0800 (PST)  
From: eakwik@mail.hac.com

To: qrp-1@Lehigh.EDU, ve6bpr@cnnnet.com  
Subject: [2168] Re: Ten-Tec 1056 Direct Conversion Receiver  
Message-ID: <0ENH0060DYM2PZ@mail.hac.com>  
MIME-version: 1.0  
Content-type: MULTIPART/MIXED; BOUNDARY="Boundary\_(ID\_+ABH8zmffntXHIFaEzeBsQ)"

--Boundary\_(ID\_+ABH8zmffntXHIFaEzeBsQ)  
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

I put mine together for 80 but I could not tune it for the lower part of the cw band. 3.58 was about as low as it would go. I put in the components for 40. Seems stable. I can listen to w1aw code practice for a hour with no drift. Some BC interference but I have not fully soldered all the components or completed installation in the enclosure. Hope this helps.

Ed  
Qrp-1 #1444

----- Reply Separator -----  
Subject: Ten-Tec 1056 Direct Conversion Receiver  
Author: ve6bpr@cnnnet.com at mime  
Date: 1/27/98 3:41 PM

I assembled a ten-tec direct conversion receiver awhile back. The kit includes parts to build it up for any single band from 10 thru 160 meters. I decided to build mine up for the 80 meter band. After about a 5 or 10 minute warmup period the receiver appears to be very stable. I am considering rebuilding it for 30 meters. I wonder if anyone on the list has put this receiver on 30 meters. How's the drift on the 30 meter band after a bit of a warmup period?  
72/73, AL, VE6BPR.....sk  
ve6bpr@cnnnet.com

--Boundary\_(ID\_+ABH8zmffntXHIFaEzeBsQ)  
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

RFC-822-headers:  
Received: from CONVERSION-DAEMON by mail.hac.com (PMDF V5.1-10 #26245)  
id <0ENG00101V0700@mail.hac.com> for "edward a jr kwik"@mime.mail.hac.com;  
Tue, 27 Jan 1998 15:38:31 -0800 (PST)  
Received: from PROCESS-DAEMON by mail.hac.com (PMDF V5.1-10 #26245)

id <0ENG00001V07ZZ@mail.hac.com> for "edward a jr kwik"@mime.mail.hac.com;  
Tue, 27 Jan 1998 15:38:31 -0800 (PST)  
Received: from fw-es05.hac.com by mail.hac.com (PMDF V5.1-10 #26245)  
with ESMTP id <0ENG00CPXV06MR@mail.hac.com> for  
"edward a jr kwik"@mime.mail.hac.com; Tue, 27 Jan 1998 15:38:30 -0800 (PST)  
Received: from fidoii.CC.lehigh.EDU ([128.180.1.4])  
by fw-es05.hac.com (8.8.4/8.8.4) with ESMTP id PAA07430 for  
<eakwik@mail.hac.com>; Tue, 27 Jan 1998 15:40:19 -0800 (PST)  
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id  
<12398-57764>; Tue, 27 Jan 1998 18:42:34 -0500  
Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by fidoii.cc.Lehigh.EDU with  
ESMTP id <12568-30374>; Tue, 27 Jan 1998 18:42:12 -0500  
Received: from ua1.cnnnet.com (cnnnet.com [204.151.142.10])  
by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with SMTP id SAA201850 for  
<qrp-l@lehigh.edu>; Tue, 27 Jan 1998 18:41:49 -0500  
Received: from [204.151.142.134] by ua1.cnnnet.com (NTMail 3.03.0014/1.aikr)  
with ESMTP id ua248138 for <qrp-l@lehigh.edu>; Tue, 27 Jan 1998 16:31:38 -0700  
Date: Tue, 27 Jan 1998 16:41:19 -0700  
From: Alyn Backe <ve6bpr@cnnnet.com>  
Subject: Ten-Tec 1056 Direct Conversion Receiver  
Sender: owner-qrp-l@Lehigh.EDU  
X-To: QRP-L <qrp-l@Lehigh.EDU>  
Reply-to: ve6bpr@cnnnet.com  
Message-id: <23313828410714@cnnnet.com>  
MIME-version: 1.0  
X-Mailer: Microsoft Internet Mail 4.70.1161  
Precedence: bulk  
X-MSMail-Priority: Normal  
X-Listprocessor-version: 8.1 beta -- ListProcessor(tm) by CREN  
X-Priority: 3

--Boundary\_(ID\_+ABH8zmfntXHIFaEzeBsQ)--

-----  
Date: Wed, 28 Jan 1998 08:03:39 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@Lehigh.EDU>  
Subject: [2169] Web Man Walking  
Message-ID: <Pine.SOL.3.91.980128080016.25697A-100000@GPFN1.GPFN.SK.CA>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

One of our instructors brought the National Enquirer, Jan.27/98 issue  
into work...check out page 10...ham radio in his underwear?...the future  
is here!...almost...72 - Bruce(VE5RC)

-----  
Date: Wed, 28 Jan 1998 10:15:30 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [2170] Re: FYBO and TR Log  
Message-ID: <Pine.LNX.3.93.980128100526.603E-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to all for the responses. Every one was positive about computer logging, so I guess I'll drag myself into the 80's :) Most said to use the General QSO format and do the scoring by hand later, I'll have to look into getting it to be automatic. Now if I can just figure out how to get the laptop to go 12 hours... (rhetorical:) 72 es tn timer

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

-----  
Date: Wed, 28 Jan 1998 09:16:46  
From: Roger Braker <msebrakr@telepath.com>  
To: leinwebe@mcmail.CIS.McMaster.CA  
Cc: QRP-l@Lehigh.EDU  
Subject: [2171] Re: BUILD this receiver...Part 2  
Message-ID: <3.0.1.16.19980128091646.3c1fe944@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi All,  
I tried the both the first and second and the difference is amazing. The signal in the first is barely audible in my 600 ohm headphones. In the second, however, there are about 3 stations with really good strength. I think the reason the second receiver is so much better is this: in RX1 the diode blocks all of half of one side of the carrier and also there is a voltage drop since the RF must pass through the diode. In the RX2 the RF does get rectified but the diode is not the only way to the headphones. Maybe part of the signal gets blocked and that's what you here thought e headphones??? That is my theory but who am I to say. Please tell me if I am wrong, or (doubtful) right??

At 01:06 PM 1/27/98 -0500, you wrote:

> THINK about it, and stay tuned for the answer.  
>  
> Answer to question 1: why doesn't diode direction matter?  
> Here's one of the fundamental properties of ALL  
> modulated carriers: they're symmetrical about zero volts. The  
> AVERAGE value of any carrier (modulated or not) MUST be zero.  
> So the positive excursions of the RF waveform are equally matched  
> by the negative excursions. The diode detects either the positive  
> excursions or the negative excursions equally well. So it doesn't  
> matter which you choose.  
>  
>  
>

-----  
Date: Wed, 28 Jan 1998 09:23:07 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-1@Lehigh.EDU  
Subject: [2172] RE: Variable Capacitors  
Message-ID: <33790.owen@piper.eeel.nist.gov>

In message Tue, 27 Jan 1998 21:08:58 -0800 (PST),  
Sam <kc5tja@animeonline.ml.org> writes:

I can't find any panel-mounted variable capacitors anywhere.  
> Anyone here know of where I can find some? Thanks. :)  
>

Check the following:  
Ocean State Electronics  
6 Industrial Dr  
PO Box 1458  
Westerly, RI 02891  
1-800-866-6626

Fair Radio Sales Co., Inc.  
1016 E. Eureka St.  
PO BOX 1105  
Lima, OH 45802  
1-419-227-6573

73 Jim K4CGY  
  
-----

Date: Wed, 28 Jan 1998 09:26:49 EST  
From: ARDUJENSKI <ARDUJENSKI@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2173] WTB: CENTURY 21 KEYER  
Message-ID: <a6a6e76d.34cf402a@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Looking for Model #670 Century 21 Keyer and making contact with any TEN TEC  
CENTURY 21 rig owners. Send e-mail direct. TNX  
Alan KB7MBI

-----  
Date: Wed, 28 Jan 1998 06:33:44 -0800  
From: Jack Parker <Pparker@greatbasin.net>  
To: qrp-l@Lehigh.EDU  
Subject: [2174] SPRAT reprints  
Message-ID: <3.0.1.32.19980128063344.00685f38@mail.greatbasin.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Received the reprints yesterday...I'm impressed by the content.

Thanks to Bill at Kanga US for doing this for the QRP community!

72/73,  
Jack Parker, W7PW  
QRP-L #1310, 10GHz VUCC #3, 50MHz WAS, SMIRK #3335, ARRL Life Member, DM-09

"...the time is fast approaching when freedom, public peace, and social  
order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

-----  
Date: Wed, 28 Jan 1998 08:57:18 -0600  
From: Bcieslak@ra.rockwell.com  
To: QRP-L@Lehigh.EDU  
Subject: [2175] Wis Fox - AE9K - Warning Number 2  
Message-ID: <8625659A.00509F6E.00@ramilwsmt01.ra.rockwell.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Last reminder that AE9K will be on January 30 01:00 - 03:00 Z (thursday  
nite local)

I will be lurking around 7.037 Mhz, QRM willing.

Brian AE9K

-----  
Date: Wed, 28 Jan 1998 10:05:02 -0500  
From: Joe Everhart <n2cx@voicenet.com>  
To: N10DL@aol.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [2176] Re: GUSHER ANT.  
Message-ID: <199801281505.KAA76188@nss4.cc.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Aron,

You wrote:

>Where can I get more info on this antenna. I live in a townhouse and am always  
>looking for a good stealth antenna.

>Aron

>N10DL

>QRP-L#1326

The Gusher is a lightweight dipole antenna make with small-guage wire and small  
RG-174 coax cable. It is primarily intended for portable use by virute of its  
weight of less than a pound for a 40 meter version. However since it is make  
of small diameter wire and coax, folks have also pressed it into service as a  
stealth antenna.

It really is an extension of the so-called BIC Flamethrower antenna devised by  
Fred Turpin K6MDJ which was described here on qrp-l back a couple of years ago.  
I have published articles in QRPP and SPRAT with construction info and Richard  
Fisher's QRP column in Worldradio had a blurb on a version that I sell.

I don't have the references here at work, but if you are interested I can list  
when they appeared from my info at home. I will also send you by provate e-mail  
info on the Gushers that I sell (they are inexpensive!.

72/73,



Joe E., N2CX

from South Jersey y'all!

-----  
Date: Wed, 28 Jan 1998 10:03:47 -0500 (EST)  
From: HIMES@idic11.idi.oclc.org  
To: qrp-1@Lehigh.EDU  
Message-ID: <01ISWN3UK7N690Q0WK@idic11.idi.oclc.org>  
MIME-version: 1.0  
Content-transfer-encoding: 7BIT

I have a 40m OHR100 that I built a few months ago. The kit was complete, easy to build and align, and worked perfectly the first time I turned it on. I have worked hundreds of other stations with it.

Marty WB8FNH, Columbus, Ohio

-----  
Date: Wed, 28 Jan 1998 10:07:32 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "qrpforum" <qrp-1@Lehigh.EDU>  
Subject: [2178] Fox log - 1/28  
Message-ID: <199801281511.KAA09274@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Well, gang.....

Yes, Virginia, there was a Fox last night, but wiley creature that he is, he avoided most of the hunters!

Man, what a night. I was prepared for a giant pile up, and had strategy for handling it. I could tell that at times there was a pile up, but it sounded like a pile up of static on this end. The loudest signal I heard all night was Derek, and he lives about 3 miles from me. Other than that, I was mostly translating lack of static into code.

Is there a Q signal for the opposite of QSB? Instead of the signal disappearing for several seconds, I had signals appearing for a few seconds. When I finally got the call right, I could hear little or nothing

of the exchange. I'd ask for a repeat of the name, for example, and hear "name name --xx \*\*,<>>!!@#." Ask again, and hear the same thing. Finally, I was shouting, "I know you're going to tell me your name, just say it while I can copy!!" :-) We were all doing the best we knew how, and it was frustrating on both ends to say the least. I lost track of how many repeats were needed for several guys. Some repeated each element of the exchange three times, and I think I got one of those the first time. (maybe)

The band just went completely dead after the first 30 minutes and I found myself calling CQ to the ether. Tuned around and heard no other signals. So, I practiced my sending by slowly increasing the speed. After thirty minutes or so of that, I thought there was a faint reply, so slowed down, listened, and sure enough, there were hunters out there. Brave souls who would defy mother nature. No pile up that I could hear, just one guy, determined to score. Gary, N7IR, tried at two different times before we completed the exchange.

Az is the clear winner in the state category with 6, followed by NM with two.

This log is probably full of errors, so feel free to send corrections.

| TIME | CALL  | RCV        | SPC | NAME  | SNT  | NR/PWR  |
|------|-------|------------|-----|-------|------|---------|
| 0300 | WF4I  | 599        | NC  | DEREK |      | 579 ?   |
| 0306 | N7GS  | 449        | MT  | MAL   | 449  | 815     |
| 0309 | AB7ST |            | 559 | UT    | BOB  | 559 139 |
| 0312 | K5ID  | 569        | AL  | KEN   | 559  | 652     |
| 0316 | K5ON  | 579        | NM  | GARY  | 559  | 770     |
| 0317 | K5OI  | 449        | NM  | TIM   | 449  | 73      |
| 0320 | N7IR  | INCOMPLETE |     |       |      |         |
| 0326 | NQ7X  | 559        | AZ  | FLOYD |      | 339 343 |
| 0401 | N7IR  | 449        | AZ  | GARY  | 339  | 1330    |
| 0412 | AB7TT |            | 559 | AZ    | JOE  | 339 191 |
| 0417 | AB7MY |            | 559 | AZ    | GARY | 339 571 |
| 0418 | N7VE  | 559        | AZ  | DAN   | 449  | 5w      |
| 0424 | W6ZH  | 339        | CA  | PETE  | 229  | 147     |
| 0431 | KJ7BS |            | 459 | AZ    | MARK | 339 3w  |
| 0434 | KU7Y  | 339        | NV  | RON   | 229  | 17      |
| 0437 | K0MM  | 229        | ?   | BOB   | 449  | 614     |

TOTAL 15 QSOs

If it weren't for tough nights like this, Fox hunting would be easy and no fun!

Thanks to all of the guys who hung in there!

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. -- Benny Hill

-----  
Date: Wed, 28 Jan 1998 09:22:16 -0600 (CST)  
From: William Wyatt <wbw95k@timon.acu.edu>  
To: qrp mailing list <qrp-l@Lehigh.EDU>  
Subject: [2179] Watt/swr meter  
Message-ID: <Pine.BSI.3.95.980128092114.9516A-100000@timon.acu.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can someone tell me who was selling the watt/swr meter that recieved some attention here on the list in the last week or so. I think it was in a kit form and had gotten some good reviews. Thanks

| | | | wbw95k@timon.acu.edu  
| | | | William Wyatt  
| /\ | /\ | KC5ZGH <--Tech Plus // QRP-L member #1339  
|/ \ | / \ | 1 Corinthians 13:13  
<http://timon.acu.edu/~wbw95k>  
-\*\*\* \*\*-- -\*\* \* \*- -\*- \*\*\*\*\* -\*\*\* -\*\* \*\*\*\*

-----  
Date: Wed, 28 Jan 1998 07:23:56 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [2180] NA Sprint & QRP  
Message-ID: <Pine.SUN.3.90.980128070839.11701A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I just got my Jan/Feb National Contest Journal and WOW,  
lots of QRP comments! (Not just the Contesting for Fun  
column, but from others!)

One of the comments was made by Mark, AG9A in his Results  
column for the last Sprint. He mentions that I am putting  
together some teams and that we will have some QRP stations  
in the battle!

QRP scores will be marked with double asterisks. (Low power scores are marked with a single asterisk.)

So PLEASE, make some contacts in the Sprint and send in your score. Don't worry about setting the world on fire! Just do what you can.

Also, how many would like to form up some teams? Lets make the first NA Sprint with recognition for QRP be one to remember!

The contest is sponsored by the NCJ. The NCJ is part of the ARRL.

Complete rules can be found on the NCJ home page:

<http://www.waterw.com/-ncj/>

The time is:

0000z - 0359z 8 Feb 98

This is during the last of the FYBO. You will already be doing some FYBO hunting, rigs will be on, antennas loaded, logs ready.....

Let me know about becoming a team member. All the QRP entries including teams, will only be compeating aginst other QRP entries. Fun, Fun, Fun....

cu there

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Wed, 28 Jan 1998 10:26:00 -0500 (EST)  
From: Bensondj@aol.com  
To: qrp-l@Lehigh.EDU  
Cc: Bensondj@aol.com  
Subject: [2181] SW-series/ group buy offer  
Message-ID: <980128102558\_-1197427789@mrin53>

Hi gang-

The recent thread about Elmering has been most interesting, and of course I'm pleased that the 40-40 (SW-40) has been figuring prominently in those discussions.

(Background-)

When this topic arose, I'd already been looking at revising the artwork and documentation on that board- it's getting a little "long in the tooth". I've been checking out some changes, they're basically as follows:

- Better crystal filter
- Reduced DC current (15 mA)
- Better image rejection

I've also reduced the number of toroids from 8 to 6, and the two which are vanishing were the multiple-winding ones. I'm planning on retaining the original board outline, it'll be double-sided (with thermal reliefs) for improved transmitter stability. There'll be several other modest changes related to ease of assembly.

The recent thread has provided the impetus to get me working more seriously on this project. At present, my existing board stock on the SW-series isn't sufficient to cover the show of interest that Mike Maiorana says we already have in this.

Here's the windup: I've can commit to completing at least a prototype version of the new layout within 30 days, I can probably beat that significantly. I'd distribute several beta prototypes for quick-turn user feedback.

And the pitch:

The first 100 folks through the door (see Mike) get the upgraded board kit version for \$50 postpaid. I realize that's not a heavy discount, but as Doug said, I need to make a living at this. You get the usual level of support you expect from me (or from any other front-line kit suppliers). I expect these first hundred boards will be snapped up pretty quickly, and that lets me amortize the board development cost rapidly. After that gate closes, the price will revert to the usual \$55. My parts cost is slightly higher on this version, but I want to offer an 'equal-or-better' 'drop-in' replacement for the orders I still get from the '94 QST article.

I'll also be revisiting the companion enclosure for the SW-series, and I'll put up information on that as it develops.

This time around, the documentation should be even better. I haven't done a "facelift" on the SW-series manual, and this'd be a good time to do so!

I'd envision making a whole lot more use of websites this time 'round for supplementary assembly instructions, troubleshooting notes, etc. We'll work that out as it happens. :-)

Schedule:

I've run this proposal past several trusted folks and the feedback's been real positive. I'd envision having kits ready to go by the end of March or possibly sooner- the development time on the revised boards is the only significant discriminator (as against my ordering more of the existing boards. ) That's a pretty conservative date and I hope to better it, I'll feel more certain about it over the next several days as I poll my suppliers for parts schedules. In the meantime, there are some other worthy club kit projects making the rounds so there's no need to cool off the soldering iron just yet!

Here's how to order:

Send no money- operators are not standing by! Let Mike Maiorana, <mikemo@ibm.net> know of your interest in this offer and he'll compile a list. If we shoot rapidly past the 100-mark I'll consider broadening the window- I'd rather not leave folks excluded from a group buy offer. He and I will be in touch, and I'm sure I'll get comments back on this as well. Band-availability- I'll restrict this to updates of the the 40 and 30M versions for the time being so I'm not completely swamped out. A big thanks to Mike and others who've enthusiastically stepped forward to get this kicked off!

Does this impact my work on the fabled DDS rig?- yes, of course. The recent Elmer thread has simply revived a back-burner idea and its time is now right.

73, Dave Benson, NN1G  
(Small Wonder Labs)  
<bensondj@aol.com>

-----  
"We will sell no rigs before they're designed."  
- E. & J. Gallo  
-----

-----  
Date: Wed, 28 Jan 1998 07:28:57 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>

To: William Wyatt <wbw95k@timon.acu.edu>  
Cc: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [2182] Re: Watt/swr meter  
Message-ID: <Pine.SUN.3.90.980128072710.11701B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi William,

It's OHR. Called something like the WM2. (I have the WM1 and love it).

And in case you haven't noticed, OHR is well thought of as a quality company with quality products!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Wed, 28 Jan 1998 09:49:52 -0600  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-l@Lehigh.EDU  
Subject: [2183] WR BOOKS - NICE!  
Message-ID: <0005AD80.4159@ccgate.dl.nec.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Gang,

First, thanks for all the responses to my post on the SMiTe kit. Sounds neat.

A few weeks ago, I asked for comments regarding the two WorldRadio books, "Little Pistol's Guide to HF Prop." and "Aerials". Got a few responses, not many.

I sent off for the books last week. Yesterday, the books were at my door. 1 week turnaround; excellent service, in my opinion.

The books are very good. I have not read them cover-to-cover yet, but what I've seen so far has been very informative.

Bottom line: if you're not sure whether to order these, I say go for it. Big bang for little bucks, IMHO.

73 de Dave NR3E  
nr Dallas, TX  
qrp-l #25

-----  
Date: Wed, 28 Jan 1998 17:16:34 +0200 (EET)  
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>  
To: qrp-l@Lehigh.EDU  
Subject: [2184] GM-10 mods (QRPP Winter '97 by W6EMD)  
Message-ID: <01ISX4264R188Y53EX@vyh21.vyh.fi>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

Is there anybody on this list who has tried the mods for the SWL GM-10 10 m CW TRX that were written up by Dave Meacham W6EMD and published in the latest QRPP?

In mod #8 Dave used a ferrite type 67. This does exist, but I don't have any toroids of that type and so I substituted a Philips 4C65 toroid of suitable size and made coil L11 to the same inductance value as Dave used (2,1 microH). This worked out OK.

The VFO range mod (#1) worked just as described. I have ca. 100 kHz range now. Mods #3 and #4 I had already found myself (initially only one peak when turning trimmers on two LC circuits).

I changed the coupling and decoupling caps as Dave described. It looks like changing the output coupling cap from the PA to the filter to 1nF was the most beneficial of these.

I have also tried some of the mods intended to raise the maximum power but run into problems there. I don't need to go all the way to 4 W max, but it's a challenge anyway. I intend to keep the original PA transistor for the time.

I have a problem with the new driver transformer T2 (mod #5). It is now an autotransformer with 14 turns and a tap at 4 turns from the



cold end (was 4+4 turns). New impedance transformation ratio  $(14/4) \times 2 =$  ca. 12 instead of 4 times.

The driver trimmer pot almost has no influence on the output power any longer (51 Ohm from emitter to ground shunted with 200 Ohm trimmer and 1n5 in series).

The base resistor on the final is now 39 Ohms. Going as low as 10 Ohms diminishes maximum output to less than 500 mW (mod #17). With the original transistor 2SC799 the input capacitance of the final is likely to be different from the 670pF Dave gives for the MRF237, so the last mod (no number) of shunting BE of the final with an inductance would probably demand a lot of experimenting. I gave it a try with an air wound coil (have no very small yellow T25-6), but it caused parasitic oscillations. Maybe I should try a larger size yellow toroid?

Is it to be expected that the trimmer in the emitter lead of the driver transistor has no influence on the output power now that the driver transformer in the collector lead has a higher turns ratio? I suppose the driver collector is bottoming out and no longer in class A. My 'scope has ca. 25 MHz BW so isn't much use with 10 m signals and I don't trust the picture from the spectrum analyzer scope adapter 100% (I may have damaged the input mixer).

What are your experiences with these mods? Other comments?

73 de oh2zaz

Arjen Raateland

---... --- --... . --- .... --... --... --...  
Finnish Environment Institute, Helsinki, Finland

SAS Support

EMAIL: Arjen.Raateland@vyh.fi

tel. +358 9 4030 0457

fax +358 9 4030 0490

..-.. -.-

-----  
Date: Wed, 28 Jan 1998 09:24:00 -0700

From: "Ron Smith" <resmith@primenet.com>

To: <wbw95k@timon.acu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [2185] Re: Watt/swr meter

Message-ID: <069501bd2c0a\$7705b600\$5822a5ce@primenet.com.primenet.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi William,

OHR's Web site is <http://www.ohr.com/>

72

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Boise, Idaho  
E-mail: [resmith@primenet.com](mailto:resmith@primenet.com)  
QRP-L #1291...ARCI #9580  
-----

-----  
Date: Wed, 28 Jan 1998 09:40:11 -0700  
From: [gsurrency@juno.com](mailto:gsurrency@juno.com) (Gary L Surrency)  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [2186] Re: Fox log - 1/28  
Message-ID: <19980128.094011.12046.0.gsurrency@juno.com>

Who say ScQRPions "ain't got good ears?" 8^)

|      |       |     |    |       |     |      |
|------|-------|-----|----|-------|-----|------|
| 0326 | NQ7X  | 559 | AZ | FLOYD | 339 | 343  |
| 0401 | N7IR  | 449 | AZ | GARY  | 339 | 1330 |
| 0412 | AB7TT | 559 | AZ | JOE   | 339 | 191  |
| 0417 | AB7MY | 559 | AZ | GARY  | 339 | 571  |
| 0418 | N7VE  | 559 | AZ | DAN   | 449 | 5w   |
| 0431 | KJ7BS | 459 | AZ | MARK  | 339 | 3w   |

Rewards got to those who are patient / pertsistent.

Thanks for pulling us out, Bob!

72,

Gary Surrency AB7MY  
S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 28 Jan 98 11:44:20 -0500  
From: cjl@mail09.mitre.org (Charles J. Ludinsky)  
To: qrp-l@Lehigh.EDU (qrp-l@lehigh.edu)  
Subject: [2187] Pre-FYBO Victory Party  
Message-ID: <980128114419.31594@mail09.mitre.org.0>

I'm relaying this for Al, W1XH:

QRP-L DE W1XH

What: Pre-FYBO Victory Party - QRPizza and Beer. Bring Money.  
Who: QRPers within safe driving distance of Chelmsford MA  
Where: Jimmys Pizza, Parlmont Plaza, Route 110, Chelmsford MA  
When: Thursday February 5, 6:30 - 8:00 PM  
Why: The party is a "pre-FYBO" victory party because there  
might not be anything to celebrate afterward.

Join local QRPers for QRPizza and talk. Bring something small  
for show-and-tell. Door prize drawing.

Directions: Route 495 to exit 34 to Route 110 West. Parlmont  
Plaza is between Skips and Town Meeting. Pizza place is on the  
street end. Talk in: Try 145.490(-).

Please e-mail me so I know how many are coming. In case of bad  
weather, we are cancelled. Bring money.

This is a "local" event. Don't spend two hours driving. If you  
feel the need, set up a party closer to your own QTH. Have Fun.

-----  
Date: Wed, 28 Jan 1998 08:58:54 -0800  
From: Jerry Parker <jparker@fix.net>  
To: qrp-l@Lehigh.EDU  
Subject: [2188] NorCal's February Meeting  
Message-ID: <2.2.32.19980128165854.006caff0@fix.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRPers, the February meeting of the NorCal QRP Club will be held as usual Sunday February 1st at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No rules, no minutes, no new business, no old business, just a get together of QRPers who want to meet and share QRP information with others of like interests. Our meeting is entirely social, and those who attend always seem to enjoy themselves. If you come, bring along your latest project to share with the rest of us, we want to see and admire it, probably steal a couple of your ideas in our next project, but we will have fun!

72,

Doug, KI6DS/M0BIV

The NorCal Page

<http://www.fix.net/norcal.html>

-----  
Date: Wed, 28 Jan 1998 10:54:52 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Bob Kellogg <ae4ic@nr.infi.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2189] Re: Fox log - 1/28  
Message-ID: <Pine.SOL.3.91.980128105031.29502A-100000@GPFN1.GPFN.SK.CA>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob!...well I listened for the entire hunt time but no joy in  
Regina!...HI HI...aside from 2 non-hunters I only heard Tim, W5FN, having  
a chat with Ron, KU7Y...couldn't hear Ron...the chat was only a few  
seconds here and there and then quickly no signals at all...the "chat"  
copied lasted less than 1 minute...as you say, if it weren't for nights  
like last night we wouldn't have a challenge and that's what it's all  
about ...72 - Bruce(VE5RC)

-----  
Date: Wed, 28 Jan 1998 10:58:15 +0000  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [2190] Cheesehead warning about Pre-Victory Parties  
Message-ID: <v03007800b0f4bee9e28a@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Watch out guys, hubris about victory before the "game" can be dangerous to  
your well-being.

This velveetabutt knows.

Paulette Quick, WB9VHF  
Madison, Wisconsin  
with foam cheesehead hat over heart

-----

Date: Wed, 28 Jan 1998 11:10:01 -0600  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [2191] SG2020  
Message-ID: <34CF6669.535DFE46@tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

All,

well just got off the phone with Steve from Universal Radio. He said he ordered his one month before any of the other distributors and expected to get his order filled first. He talked to SGC a couple of days ago and they gave him the same answer that was posted.. all initial orders to be filled in 30-60 days. Doesn't sound like they have shipped anything yet.

I am from the optimistic school of rig waiting. The rig is definitely half-delivered, rather than the order being half unfilled :\*)

figure I was on the first list of the first distributor.. so the rest of you will have to stand in line behind me :\*)

down side is I will be getting one of the first production models.. and that can be a thrill in itself. although I have been getting the impression that this is no index labs, which is a good thing.

72

Jeff, AC4HF

--

Jeff M. Gold, Manager  
Academic Computing Support  
Tennessee Technological University  
(615)372-3979

-----

Date: Wed, 28 Jan 1998 11:11:33 -0600  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [2192] Emtech 40 meters 4-sale  
Message-ID: <34CF66C5.519B16F7@tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

I have a super emtech 40 with audio filter and VBT. perfect operationally and cosmetically .. far as I know. Power turned down to 5 watts.. GREAT performing rig.

\$135 shipped us.

Jeff

--

Jeff M. Gold, Manager  
Academic Computing Support  
Tennessee Technological University  
(615)372-3979

-----  
Date: Wed, 28 Jan 1998 09:22:27 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-l@Lehigh.EDU  
Subject: [2193] QRPp for Duane & others  
Message-ID: <3.0.1.32.19980128092227.0074d8e4@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Duane, I received the extra winter issue overrun from Paul on Thursday, your issue was mailed on Monday. I apologize for the inconvenience, 72, Doug, KI6DS

-----  
Date: Wed, 28 Jan 1998 12:20:11 EST  
From: MSU1972 <MSU1972@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2194] panels  
Message-ID: <2c205228.34cf68cd@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Is there a comp program or ??? to produce front panel lettering for qrp rigs? I'm looking for something more than the obvious, i.e., laser printer letters printed on sticky labels and attached to the panel.  
David

-----

Date: Wed, 28 Jan 1998 09:25:55 -0800 (PST)  
From: doug hauff <slmachco@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [2195] Post Office Help  
Message-ID: <199801281725.JAA06241@fletch.fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Our local mailman was quite sympathetic about the wiped out labels, signed a statement about his observations, gave me phone number to call, I will most certainly make a claim against the USPS, I'm just not sure what to take with me when I go to the post office...see, my FS 92 Beretta holds sixteen rounds and I have four extra fifteen round clips, but of course it is only a 9MM, while my favorite for social work, my steel 1911-A1 .45, holds only eight rounds, I have three seven round clips...Of course the 9MM Parabellum is a supersonic round with great penetrating power, but it usually makes only small holes, whereas the .45 round is heavy and slow, but has much more total energy, and tends to leave big holes when it leaves anything...and I still have a few boxes of .45 Hydroshock, they make BIG holes...and my reloader is still set up for .45 ACP...hmmm...OK, OK, just kidding, but I can fantasize about shooting the s\*\*t out of the Post Office, can't I?!? They seem to have it in for me...

I don't believe it was heat, the first thing I did when the mailman brought back the blank-label boxes was heat a piece of fax paper...heat turns the whole thing black, not blank...intense incandescent light does nothing...mailman said they do use a laser scanner, gotta be it...

I hope nobody is offended by the dark humor, I do feel better now...

72 Doug KE6RIE

-----  
Date: Wed, 28 Jan 1998 12:29:32 -0500  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [2196] I wanna moan as well . . . .LONGISH  
Message-ID: <199801281229\_MC2-30F7-98BA@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi gang,



Non-qrp moan coming up, looking for advice/comments.

I bought a new printer for the IBM this last weekend. It came in a the same box with an "EasyPhoto Reader" (a small scanner) as a complete package. The printer is an HP690.

Connect it up and a) the printer works, magic! prints out pictures and colour too! Much better than the old dot matrix chunder-box, not even much noise.

Then I plug in the Photoreader and play the CD software disc into the machine. Great fun, scan in last summer photo of self, and slim myself down by about 40 pounds, adding a foot in height also. (I'm not overweight guys, I'm just undertall) Print please! OH OH no way Jose!. The machine now tells me it doesn't have the printer anymore.

Start of phone calls, upshot is HP know this problem exists, Storm Tecnology know it exists(they make the photoreader) and yet they continue=

to sell the package because it only affects around 20 p.c. of buyers. Next crunch is they suggest a fix costing around \$30.00 I've got to go and get from the local computer store, or alternatively a separate fix costing \$25.00 again from the computer store, and have it fitted internally, and/or a possible alteration to the set-up parameters of my computer.

Neither HP or Storm have so far offered to guarantee any or all of these fixes, nor will they indemnify me if I do them and screw up something else in the process. Incidentally, one of them(HP) asks me to contact them in Amsterdam, and the other (Storm) has a UK office which seems to have to refer everything stateside first, so you can imagine things aren't moving fast.

What annoys me is both items work perfectly well by themselves, it's only when they are connected at the same time there's problems! I'm also simple and naive enough to sort of expect that if two products are supplied as a=

package in one carton, then they should work together. Given that HP and Storm are both aware this problem exists, then I maintain they should either withdraw the package deal or rectify this problem at their, and not my expense.

Have any of you guys come up against this sort of problem, and have you managed to get any satisfaction from the likes of HP and Storm?

72 and 73 de Mel  
GM6JAG  
Edinburgh Scotland UK  
Home of the last HW9

-----  
Date: Wed, 28 Jan 1998 12:38:08 -0500  
From: Erv <kb8tnq@voyager.net>  
To: slmachco@fix.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2197] Re: Post Office Help  
Message-ID: <34CF6CFF.C5DFF6FA@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doug:

I just figured that you were gonna pack heat for your trip to the Post Office to even the odds.....seems they pack it! (hi hi)

Good luck on your journey.

7-3,  
Erv KB8TNQ

--  
Please visit our Web Site at:  
<http://www.qsl.net/kb8tnq>

-----  
"Dare to Dream, It Sets Your  
Spirit Free!"  
-----

-----  
Date: Wed, 28 Jan 1998 12:45:13 -0500  
From: Erv <kb8tnq@voyager.net>  
To: MelEvansGM6JAG@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2198] Re: I wanna moan as well . . . .LONGISH  
Message-ID: <34CF6EA8.FE5927CC@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Silly lad, Mel....

To think that simply because two items are in one box surely doesn't imply it will work together....

If I were you, I would have taken the scanner and printer back and let THEM decide how to fix it.....and picked out a different model. With computers, especially in this day and age, "let the buyer beware".

Best of Luck, Mel.....this is a mess, but I don't feel you should bear the price to make it right.

7-3,  
Erv KB8TNQ

--  
Please visit our Web Site at:  
<http://www.qsl.net/kb8tnq>

-----  
"Dare to Dream, It Sets Your  
Spirit Free!"  
-----

-----  
Date: Wed, 28 Jan 1998 11:49:55 -0600  
From: Kevin Muenzler <wb5rue@stic.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2199] RE: Post Office Help -- sick joke  
Message-ID: <01BD2BE2.DACCCCA0@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Q: What does it mean when the US flag is at half-mast in front of the post office?

A: Now hiring.

-----  
Date: Wed, 28 Jan 1998 12:49:02 -0500  
From: Michael Maiorana <mikemo@ibm.net>  
To: qrp1 <qrp-1@Lehigh.EDU>  
Subject: [2200] Elmer update  
Message-ID: <34CF6F8E.4042@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a reminder, anyone who has already sent me a request to be part of the elmer project will get one of the NEW kits. We will all be working off the same kit.

I will post a list of people who want to participate tomorrow, so you can double check that your name is there. With the new kit, there is a bunch more interest.

Also, I originally wanted to keep the elmer project bandwidth off of the main list. I have received requests to keep the traffic ON the list. So, details will follow, but those who are not getting a kit will still be plugged in to what's happening.

Thanks for all the responses.  
72 de kf4trd  
Mike Maiorana

-----  
Date: Wed, 28 Jan 1998 13:01:53 -0500  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [2201] Re: Conductive grease  
Message-ID: <199801281801.NAA243758@nss4.cc.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone wrote:

What about the gunk that Butternut sells, "Butter it's Not"? Or is that an anti-oxide compound?

.....

I checked this stuff with an ohmmeter once.  
It doesn't conduct (DC anyway). It \*looks\* like it's got powdered copper in it. Maybe it conducts RF?

It does prevent oxidation. I lubed the joints of an R7 (purchased used) with the stuff and it's still on the aluminum, after a year or so.

72,

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
N5AL0 QRP-L #415

-----  
Date: Wed, 28 Jan 1998 10:25:40 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: qrp-l@Lehigh.EDU  
Subject: [2202] Back to the Future Project (Tuna Tin 2, etc. updates)  
Message-ID: <3.0.1.32.19980128102540.0074c3a4@dpol.k12.ca.us>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I want to update everyone on the Back to the Future project that a team of NorCal members is doing. We are going to go back in time and update several projects from the 1976-77 time frame of QST. Doug DeMaw started a series of projects with his design of the famous Tuna Tin 2, which was a 2 transistor transmitter that was built on a Tuna Tin can as a chassis. The rig used parts available from Radio Shack, but some of them are no longer available. About a year or so ago I started this and had Dave Meacham, W6EMD, update the schematic with modern parts and I layed out a board.

Recently there was a posting on the internet by Ted, KB9RPD, about the Tuna Tin rig. It rekindled my interest, and I thought it would be neat to redo the rig and have others build one of Doug DeMaw's classic rigs. Then others suggested that we do the matching receiver, vfo, and amp.

I posted to the net that there was interest in the project but we needed some help. The response was great. Within hours there were volunteers to do the various rigs. Glen Torr, VK1FB, is doing the Herring Aid 5 receiver and is almost finished updating it. One of the problems that he had was finding the specs for T1 and T2, which are not given in the article. A posting to the net, and within hours again, Glen Menard, Rod Johnson and Keith, WB2VUO all provided the necessary information (by the way RS#273-1378 is a 10K - 2K transformer and RS#273-1380 is a 1K to 8 ohm transformer). Glen also is making another adjustment to the original design that will vastly improve the rig, he is putting trimcaps in the circuit at appropriate places so we won't have to squeeze and spread the turns on the toroids. There were no toroids in the original design, but there are now, as the original chokes are again not available from Radio Shack. I have the board about 90% layed out, and should have it finished this week.

Bruce Muscolino, W6TOY, who lives in Maryland, is doing the Chopped Beef Slider VFO. He has the old original issues of QST, but they are in a storage shed. I was able to send him a copy of the tif file on the QST CD ROM and he is now hard at work on his part of the design. Bruce will translate the parts to ones that are easily available now, and then build a prototype to make sure it works. He will then send me the changes, I will put them on the new copy of the schematic and I will lay out the board to fit the parts.

Gary Diana, N2JGU of Rochester, NY and David Adams of San Jose, CA, both volunteered to make prototype Tuna Tin 2 boards for me. (It is always good to have a backup) Both succeeded and boards should arrive today.

Ron Stark the editor of QRP Quarterly and I will both print an article on building the series of projects in the Spring issue. Also, the information will be placed on several web pages so that it will be freely available. Fred Reimers at FAR Circuits will be sent the artwork and will provide boards that may be ordered in single lots. He has the Tuna Tin 2 artwork now, and as soon as he gets back to me, I will let you know so you can get started on your rig.

Just think back 10 years ago. None of this would have happened. We have a team of QRPers, from Australia, Maryland, New York, New Jersey, Illinois, New Mexico and California, all working together on a project. Most of us have never met in person, yet we are able to do productive work via our computers and the internet. If we have a problem, we get on the inet QRP-L and get instant help. What a wonderful tool this is. Life is good in QRP

Land. 72, Doug, KI6DS

-----  
Date: Wed, 28 Jan 98 08:15:16 HST  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)  
To: qrp-1@Lehigh.EDU  
Subject: [2203] Penetrox A  
Message-ID: <9801281815.AA00317@krypton.nmr.Hawaii.Edu>

We have a bottle of gunk called Penetrox A. It has a UL circle emblem on it with a notation under it saying "Conductor Termination Compound". It is an oil, which separates out, mixed with a grey powder that is either aluminum, or zinc powder. A careful read of the squeeze bottle never claims it conducts, just that it protects. Instructions say to clean aluminum surfaces and then coat and fasten together. People who have used this stuff on the nesting aluminum elements of beams, commercial verticals, etc, report they come right apart after long exposure to the elements. It is made by Burndy in Manchester, NH. In spite of its very large amount of metal powder, it also fails to "conduct" when stabbed with ohmmeter probes even at the highest setting and very close probe spacing. It seems designed to fight corrosion and keep good clean joints, good and clean.

AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry  
HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County

-----  
Date: Wed, 28 Jan 1998 13:31:14 -0500  
From: "Buck, Preston D" <BuckPD@corning.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [2204] FOX: N/T fox thursday night NOGLM  
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC42@SILVER.CORNING.COM>  
Content-Return: allowed  
Mime-Version: 1.0  
Content-Type: text/plain

Greetings all,

Just a quick reminder that I will be the N/T fox thursday night from 1900-2100 EST (30 Jan 98 0000-0200 UTC). I will start around 7.14 MHz and shift as needed to avoid QRM. Power is 5 W from the Yeasu 757GX

feeding a G5RV with 20' center and 7' ends. Code speed is around 10 WPM.

73

Preston, n0g1m, Southern NY state

-----  
Date: Wed, 28 Jan 1998 13:25:06 -0500  
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:gsurrency@juno.com" <gsurrency@juno.com>  
Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP Discussion Group  
<qrp-1@Lehigh.EDU>  
Subject: [2205] Re: Fox log - 1/28  
Message-ID: <199801281329\_MC2-3100-B34D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Gary:

May have to take Joe's offer to move to AZ after all! Sure was not fun sitting there for 2 solid hours listening to almost nothing, though a few hunters--yep, including SQRpions! Congrats to one and all. BTW, you know condx are terrible when fellow FOX Nabber Tim W5FN doesn't score :-). Here's hoping for better condx tomorrow for Brian AE9K.

72/73,

--Doc/K0EVZ qrp-1 861

-----  
Date: Wed, 28 Jan 1998 14:46:53 -0600  
From: Stan Wilson <microres@crl.com>  
To: qrp-1@Lehigh.EDU  
Cc: boatanchors@theporch.com, microres@crl.com  
Subject: [2206] Long Wire Antenna - A discussion ?  
Message-ID: <34CF993D.507D@crl.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

--

Long Wire Antenna - A discussion



I have used them on and off over the years. They do work, however, they come with a lot of negatives. I am interested in what others have done to reduce some of these problems.

I call anything longer than 150 ft a long wire. I normally use about 200 ft with a 20 to 30 ft feed line.

Problem 1: I have experienced very high RF voltages at the end feed in one case it was so high that the antenna insulator on the tuner was actually burned up due to high voltage arcing.

Problem 2: If there is a summer rain storm within 20 miles one can draw a static electric arc off of the antenna.

Problem 3: The feed line has to pass through the wall into the house and requires routing to the antenna tuner. I have located a tuner at this point and ran coax on to the transmitter, but if I want to move around in the bands I have to go to the tuner to re-set.

Any suggestions ? I am about to put up a new one and have consider feeding it off center like a single wire fed window.

de stan ak0b

-----  
Date: Wed, 28 Jan 1998 21:14:32 +0000  
From: ea8yu Goran <rodriguez@jet.es>  
To: aweiss@sunflowr.usd.edu, qrp-1@Lehigh.EDU  
Subject: [2207] RE: Balanced Tuner vs. "T" "L" + Balun  
Message-ID: <1.5.4.32.19980128211432.00697208@jet.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello,

Could you please clarify a bit why not use the split stator capacitor which usually is what I find in the handbooks - that is a coil with a split capacitor from each end and then the feedline tapped into the coil symmetrically from the center.

Swing link - I think they used rotatable links. Would a link which you move in/out of the main coil in the direction of the axis be a usable solution? Should be fairly easy to construct

Saludos

Goran    ea8yu

At 23:01 27/01/98 -0600, you wrote:

>Juan EA5XQ asked a question: whether it is better to build a balanced  
>tuner for feeding balanced line (twinlead), or to use a standard "T" or  
>"L" network + 4:1 balun.  
>

-----  
Date: Wed, 28 Jan 1998 01:10:06 -0500  
From: nilsbull@juno.com (Nils R Young)  
To: QRP-L@Lehigh.EDU  
Subject: [2208] 80 meter Beacon from Spain, Thursday & Friday this week . . .  
Message-ID: <19980128.212443.10262.0.nilsbull@juno.com>

Amigos,

I just got this off the EA-QRP list mailing. The date on my Juno header said that it was picked up Tuesday, 27 Jan 1998. If you don't speak Spanish, shame on you . . . no, if you don't speak Spanish, here's the deal:

EA4RCT (maybe a club station) will have a beacon on 3.590 at 3 watts on a 15 meter wire antenna fed with open wire 300 ohm line and some 75 ohm coax to tune it. According to this, the beacon will be on Thursday & Friday for 10 minutes between 2200 and 2210 Spanish time . . . which I think is UTC now. Daylight Savings/Summer time is different, I think.

Anyway, how many wanna try for this one? Quien sabe que va a pasar. Tal vez lo podemos oir, eh?

"Quisiera anunciaros que a partir de maniana jueves y hasta el viernes pondre una baliza en la banda de los 80 mts., en la frecuencia de 3.590.0 con una potencia de 3 wtts y la antena sera unos 15 metros de sistema radiante por cada rama alimentado con linea paralela de 300 ohmios, todo ello adaptado con cable coaxial de 75 ohmios. La hora sera desde las 22:00 hasta las 22.10 hora EA peninsular, tanto el jueves como el viernes."

(I'd have ID'd the call sign to a name but this machine don't do multi tasking stuff too easy . . . and besides, I'm getting lazy since I gave up kit building 'cause I had too many parts left over . . . )

73

Nils

-----  
Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.fortunecity.com/victorian/mehetebell/94>

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-----  
Date: Wed, 28 Jan 1998 15:25:46 -0600 (CST)

From: jdenison@morelr.com (JOEL DENISON)

To: qrp-l@Lehigh.EDU

Subject: [2209] got on the air

Message-ID: <199801282125.PAA26827@m20.morelr.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Got to work KI8AF today. First Norcal I have worked. Indeed first time I have been on the air in ages...

Great signal into strong, Maine Greg...

An't qrp great?

bye now

joel wa5cvm/1

PS anybody need strong, maine? don't keep it a secret!

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - start)

80 mtr dipole up 50ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Wed, 28 Jan 1998 15:27:13 -0600  
From: Kevin Muenzler <wb5rue@stic.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'microres@crl.com'"  
<microres@crl.com>  
Subject: [2210] RE: Long Wire Antenna - A discussion ?  
Message-ID: <01BD2C01.36048FE0@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On microres@crl.com, Stan Wilson[SMTP:microres@crl.com] wrote:

> --  
> Long Wire Antenna - A discussion  
>  
> I have used them on and off over the years. The do work, however,  
> they come with a lot of negatives. I am interested in what others have  
> done to reduce some of these problems.  
>  
> I call anything longer than 150 ft a long wire. I normally use about  
> 200 ft with a 20 to 30 ft feed line.  
>  
> Problem 1: I have experienced very high RF voltages at the end feed  
> in one case it was so high that the antenna insulator on the tuner was  
> actually burned up due to high voltage arcing.

Use a different type of insulator. If you are using an "egg" insulator this is your problem. They can only insulate to a few hundred volts. If you are using a conductive cord to connect the insulator to the support arcing will occur at moderate powers. Especially if the insulator is dirty. They are very good for guy insulators but are not really suited for the ends of dipoles or long-wire antennas where the voltage is going to be the highest. There are "special" insulators that are suited for this. I think the name for them is "dog bone" insulators. They are usually long and "thin" and have an eye at each end. They are shaped like a dog bone. Radio Shack sells a good dog bone insulator with a tensile strength of a couple of hundred pounds. They also make good center insulators for dipoles.

> Problem 2: If there is a summer rain storm within 20 miles one can  
> draw  
> a static electric arc off of the antenna.

This is a more difficult problem. I have placed large value resistors from "hot" to ground on all of my antennas. If you have several coaxes running into your shack it also helps for identification. For instance use 160K for 160-meters, 80K for 80-meters, etc. You can use as little as 1K on a RESONANT antenna. If your antenna is not resonant don't use

less than about 5K. This will help bleed static off and possibly help with spikes from those strikes. You can also use an RF choke directly across the feedline. This will look like a direct short to most of the energy. Be sure it is of sufficiently large value so it won't "show up" on your lowest band. A 2.5mH choke should be good down to 160-meters. DON'T trust these measures to protect your rigs against a close strike. The best protection is to unplug your rigs, put them in the original shipping containers and place them in the basement during a storm. If you don't have a basement wrap them in a quilt and place them under your bed.

> Problem 3: The feed line has to pass through the wall into the house  
> and requires routing to the antenna tuner. I have located a tuner  
> at this point and ran coax on to the transmitter, but if I want to move  
> around in the bands I have to go to the tuner to re-set.  
> Any suggestions ? I am about to put up a new one and have consider  
> feeding it off center like a single wire fed window.  
>  
> de stan ak0b  
>

Buy a rig with the tuner built in. ;)  
I remember seeing a design for a remote tuner that used a Black and Decker cordless electric screwdriver to turn a rotary inductor and capacitor. (one for each) This might be a good approach for you. The controls were right next to the rigs in this chap's shack and the tuner was at the antenna. Another design used the cordless screwdriver to turn the capacitor and used an electric rotary switch to tap the inductor at several preset points. I think it had taps about every 5 or 6 turns. This is how most auto-tuners work. They have motorized capacitor tuners and have rotor switches to select preset inductor settings.

72/73

Kevin, WB5RUE  
wb5rue@stic.net

-----  
Date: Wed, 28 Jan 1998 16:51:21 -0500  
From: Ed <edn4pk@VoyagerOnline.net>  
To: kb8tnq@voyager.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2211] Re: Post Office Help  
Message-ID: <34CFA859.CA59227@VoyagerOnline.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sorry to disappoint all of you, but as a postal employee for the past several years I resent any and all insinuations made in regard to "ALL" postal employees having a need to carry and/or use a firearm to take another persons life. I thought this group was about ham radio and qrp. Guess I must have been wrong. Your posts to this group show your complete disrespect for anyones feelings except your own. Hope you all had a good laugh...Ed N4PK.....  
Building and equipment mechanic. Dalton Ga. Main Post Office

-----  
Date: Wed, 28 Jan 1998 17:10:54 -0500  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Cc: ki6ds@dpol.k12.ca.us  
Subject: [2212] Re: Have RS1380 Info, still need RS1378 Info  
Message-ID: <199801282210.RAA59946@nss4.cc.Lehigh.EDU>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Doug, KI6DS wrote:

"I have the info for the Radio Shack transformer, part #RS1380, which is a 1K center tapped to 8 ohm audio transformer, thanks to Rod Johnson for the answer. I still need the info for the 1378. Any help on this one?? 72,  
Doug, KI6DS"

.....  
.....

Doug,

You may want to try email to Radio Shack.  
A while back I needed some  
(non technical) info on a discontinued SW rcvr.  
They got back to me the next day with the info.  
I think they must have a collection of all their old catalogs,  
to get info from.

Maybe they can scout up the information you need.

This is the address I used for them (about a year ago).  
Hopefully it's still valid:

RSPSC1@tandy.com

72,

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
N5ALO QRP-L #415

-----  
Date: Wed, 28 Jan 1998 16:05:00 -0500  
From: "N4ELM" <n4elm@ipass.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [2213] FS: 38Special again  
Message-ID: <199801282212.RAA13874@earth.ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The deal on the 38Special fell through and I forgot to keep a list, so here it is again.

For Sale:

Unbuilt 38 Special kit - still in the bag.  
\$28.00 + \$2.00 to cover shipping - \$30.00 total.

73 - Dave.

-----  
Date: Wed, 28 Jan 1998 16:07:15 -0500  
From: "N4ELM" <n4elm@ipass.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [2214] FS: NORCAL paddle kit  
Message-ID: <199801282212.RAA13882@earth.ipass.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

For Sale:

Unbuilt NORCAL paddle kit.  
Still in the original shipping box.  
\$30.00 OBO + \$5.00 shipping

73 - Dave.

-----  
Date: Wed, 28 Jan 1998 16:24:55 -0600  
From: Kevin Muenzler <wb5rue@stic.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2215] RE: Post Office Help  
Message-ID: <01BD2C09.455EA400@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On edn4pk@VoyagerOnline.net, Ed[SMTP:edn4pk@VoyagerOnline.net] wrote:

> Sorry to disappoint all of you, but as a postal employee for  
> the past several years I resent any and all insinuations made  
> in regard to "ALL" postal employees having a need to carry  
> and/or use a firearm to take another persons life. I thought  
> this group was about ham radio and qrp. Guess I must have been  
> wrong. Your posts to this group show your complete disrespect  
> for anyones feelings except your own. Hope you all had a good  
> laugh...Ed N4PK.....  
> Building and equipment mechanic. Dalton Ga. Main Post Office  
>  
>  
>

Ed,

I'm sure we all know that not ALL postal employees are unstable  
nor is it necessary for ANY to carry a gun, knife or any other of  
self defense weapon to protect himself from his coworkers. It is  
also true that most every profession has its stereotypical jokes  
which we also know are untrue for the typical person in that  
profession. We are surly in a sad state if we cannot laugh at  
ourselves or our profession. I remember a few months ago in an  
issue of QST there was a copy of the comic strip Dilbert where  
Dilbert was talking to his girlfriend about whether or not he



should change profession from an engineer to a manager, the original is hanging on my wall at work. He was concerned about his loss of sex-appeal. His girlfriend stated that he would lose 17% of his sex-appeal if he changed from an engineer and became a manager. He countered with a proposal on becoming a ham radio operator and his girlfriend was so excited she got goose-bumps. The NEXT MONTH someone wrote and was offended at the stereotypical joke on ham operators as "geeks." GET A LIFE! We all have a little Dilbert in us, that's why we enjoy tinkering with things -- that's why we became ham operators. I thought the cartoon was extremely funny. We are becoming a nation of politically-correct whiners who have a large chip on our shoulders. We whine and cry when that chip falls off and hits our big toe after someone tells a joke or looks at us with a "strange look."

To an engineer there are two types of things in the world --  
things that are broken and things that are not broken yet because  
he hasn't had a chance to mess with them yet.

To an engineer if it isn't broken it doesn't have enough  
features yet.

An engineer's self worth is tied very closely to the number of  
cool things he has.

Kevin, WB5RUE  
wb5rue@stic.net

-----  
Date: Wed, 28 Jan 1998 16:31:49 +0000  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [2216] RE: Post Office Help  
Message-ID: <v03007800b0f50d2443fe@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I don't know about the guy in Milwaukee, but a friend who is a Madison WI postal supervisor said (seriously) that he had heard that all of the murderous postal employees were hams!

Also, he said that injury and death are caused by employees or ex-employees to their colleagues every day but we rarely hear about it.

Paulette Quick, WB9VHF  
Madison WI

-----  
Date: Wed, 28 Jan 1998 16:36:12 +0000  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [2217] RE: Post Office Help  
Message-ID: <v03007801b0f50eb3a1d7@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Whoops! I'd better add that that means at all sorts of companies, agencies and groups, for-profit and non-profit!

>Also, he said that injury and death are caused by employees or ex-employees  
>to their colleagues every day but we rarely hear about it.

>

>Paulette Quick, WB9VHF  
>Madison WI

-----  
Date: Wed, 28 Jan 1998 17:47:21  
From: Roger Braker <msebrakr@telepath.com>  
To: RABRUNER <RABRUNER@aol.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [2218] Re: mic impeadance circuit  
Message-ID: <3.0.1.16.19980128174721.3f27a7f0@telepath.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Like I said in my original message, I am using an old tube radio. I found a cb mic in the garage and hooked it up. When I squeeze the PTT all the relays click but no output when I talk into it. I tried shorting the mic input to ground with a 1k resistor(I had a good reason then but can't remember now). I saw the watt meter jump to about 15 watts. I talked to another ham and he said it sounded like an impeadance mismatch. He told me most cb mikes were 600 ohms and that the impeadance to my rig was probably 10k. The reason I asked for no transformers was because we have few

hamfests in Oklahoma and the only place I now to get a transformer is RS and that one is 1000-8 ohms. Any other help you or the list can provide would be appreciated.

73,  
Arnold kd5ckh

At 05:01 PM 1/28/98 EST, you wrote:

>Arnold,  
> There wouldn't be any technical reason for not just plugging it in to see  
>if it works. In fact, most microphones designed for 50k or greater circuits  
>have an output impedance considerably lower than that. Matched impedance  
>power transfer theory is of only peripheral interest in connecting  
>microphones. Almost all modern audio circuitry is operated with a constant  
>voltage technique. The outputs are a relatively low impedance and in the  
>inputs are relatively high. Most pro audio gear is 60 ohms or so out and the  
>inputs are 10k to 133k in. Even though your microphone may be marked "600"  
>ohms, its actual internal impedance could be something quite different. Often  
>that "600 ohm" rating just means that it is capable of driving an impedance at  
>least that low, but no lower, and will be fine looking into anything higher.

> So don't get too hung up worrying "impedance." This is something that  
>was more of a concern in the old days of transformer coupled tube type  
>equipment which was designed around the matched impedance concept, and you  
>will get a lot of misleading advice from old heads who grew up in that era,  
>or younger people who have been influenced by them. Impedance is the "VSWR"  
>of audio [widely misunderstood concept on which everyone is an expert.] Even  
>in the tube era, "matching transformers" were often used more for voltage  
gain  
>than impedance matching.

> As long as you don't try to go the other way (from a high impedance  
>device, like a crystal microphone, into a low impedance device like a  
>transistorized amplifier), you should be able to just plug it in. The only  
>question would be whether or not the mic was putting out enough voltage  
>(millivolts) for your particular amplifiers rated sensitivity. If it  
happens  
>that the gain seems low, then a simple one transistor pre amp should work  
just  
>fine, circuits in any handbook. As far as that goes, I am not sure what your  
>objection to using a transformer would be. It is the simplest and most  
>elegant solution to the problem, and good, standard transformers are widely  
>available, no need to think of them as "weird." Of course transformers cost  
>more than transistors.

>  
>73's  
>  
>Bop Bruner

>WB4TAJ/9  
>Design and Engineering  
>WTTW/ Chicago  
>  
>

-----  
Date: Tue, 27 Jan 98 05:56:11 PST  
From: "Roy Lincoln" <cc1595@cocentral.com>  
To: edn4pk@VoyagerOnline.net, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [2219] Re: Post Office Help  
Message-ID: <MAPI.Id.0016.00633135393520203030303630303036@MAPI.to.RFC822>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"  
Content-Transfer-Encoding: quoted-printable

INTELLIGENCE DOESN'T GET INSULTED, PSEUDO-INTELLIGENCE DOES! Some of you=  
guys out there need to grow up! 73 Roy Lincoln WA4DOU

-----  
> Sorry to disappoint all of you, but as a postal employee for  
> the past several years I resent any and all insinuations made  
> in regard to "ALL" postal employees having a need to carry  
> and/or use a firearm to take another persons life. I thought  
> this group was about ham radio and qrp. Guess I must have been  
> wrong. Your posts to this group show your complete disrespect  
> for anyones feelings except your own. Hope you all had a good  
> laugh...Ed N4PK.....  
> Building and equipment mechanic. Dalton Ga. Main Post Office  
>  
>

-----  
Date: Wed, 28 Jan 1998 16:00:53 -0700  
From: wa5whn@juno.com  
To: qrp-l@Lehigh.EDU  
Cc: w5bi@flash.net  
Subject: [2220] FYBO '98 {At T minus 9 days and counting}  
Message-ID: <19980128.160347.2822.2.wa5whn@juno.com>

qrp-lers,

Sites selected in grid squares DM54bc & DM54be {Pinetop-Lakeside, Arizona}, spud gun with roof mount attached, courtesy of WB5QYT, just in case we should encounter any giant gila {pronounced "hee-la"} monsters left over from some old '50's black & white sci-fi movie.

The Wilderness Sierra had survived the cold test, along with the GM20 from Small Wonders Lab. The Ten-Tec will be making the trip too. They are packed. 35 amp-hr. deep cycle battery is packed {"lights, radios, action."} 5 watt roll up solar panel is packed. Thermometer, MREs, water, artic gear, portable chair, I am pumped. Oh yeah, 2 pints of Tabasco sauce, used as mosquito repellent {yeah, those little critters really do explode}, plus some Mesilla Valley green chili for our evening get together in grid square DM54bc {N7KT's In\_Law's cabin}. SLVs, dipoles to G5RVs will be emitting melodious tones, from the Az./NM QRP crew. We will be leaving KK6MC/5 behind, he is headed to grid square DM66bn for FYBO '98. There's got to be someone left in NM to talk to. ;-)

I must not forget to go over to <http://www.dancris.com/~ki7mn/> & download the FYBO '98 paperwork.

From one of the "Desert Dozen"...Jay, WA5WHN

PS Best bumper sticker seen to date; "From the Oral (oops Oval) Office, Character counts!"

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Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 28 Jan 1998 18:07:42 -0500  
From: W2MY & W2MBY <n2mnn@spacegate.com>  
To: QRP-L@Lehigh.EDU  
Subject: [2221] FOX:N/T Fox this Friday night local, W2MBY  
Message-ID: <34CFBA3E.298A@spacegate.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi,

I'm N/T Fox again Friday night local time, (Jan 31, 00:00 to 02:00 UTC, Saturday), on 7.141. I will be using a TS-850 at 5W, and a DSP, to a vertical loop, from NNJ. I hope to work you.

72,

John, W2MBY  
age:11

-----  
Date: Wed, 28 Jan 1998 17:11:20 -0600  
From: Kevin Muenzler <wb5rue@stic.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2222] RE: Post Office Help  
Message-ID: <01BD2C0F.C18E4520@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On cc1595@cocentral.com, Roy Lincoln[SMTP:cc1595@cocentral.com] wrote:  
> INTELLIGENCE DOESN'T GET INSULTED, PSEUDO-INTELLIGENCE DOES! Some of you guys  
out there need to grow up! 73 Roy Lincoln WA4DOU  
>

Intelligence may be artificial but stupidity is always genuine.  
The only difference between genius and stupidity is that  
genius has its limits.

I am Voltohm of Borg, resistance is E/I, Power is EI  
you will be attenuated!

Hope I didn't offend any Borgs or Borg want-to-be  
types out there.

Kevin, WB5RUE

-----  
Date: Wed, 28 Jan 1998 16:15:50 -0800 (PST)

From: Sam <kc5tja@animeonline.ml.org>  
To: qrp-1@Lehigh.EDU  
Subject: [2223] Re: Post Office Help  
Message-ID: <Pine.LNX.3.96.980128160642.24368P-100000@animeonline.ml.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK ok ok, folks. Let's either take this to private e-mail or tone it down. For one thing, people need to learn to STOP YELLING!!!!!! Secondly, it's perfectly OK to be humorous about a profession, even if it's not your own. That was the only way I was able to get through military basic training. I am a system administrator for an ISP, and I laugh at the situation I'm in all the time. Imagine having to deal with customers who can't tell the difference between an icon and a menu, or worse, who think the CD-ROM drive is a built-in cup holder (yes, we've had these people). Then they'd get upset at US because their printer stops printing a week after installing Netscape or Internet Explorer. Quite frankly, laughing at myself, what I do, and even our customers is the ONLY way to remain sane where I work. Third, how do you think "outsiders" to the thread react when they see messages like what's been posted here? I honestly think about using that "kill buffer" feature of my mailer. Sign the person's e-mail address in there, and alakazam, I never see an e-mail from that person again. Frankly, I'd rather not do that, though.

Moral: please stop the fighting/arguing/hard feelings. Thanks.

=====

-| TEAM DOLPHIN |-  
Chief Architect and Project Founder  
(web page under construction)

PGP 5.0 Public Key Available Upon Request.

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Date: Wed, 28 Jan 1998 18:15:12 -0500  
From: Ed <edn4pk@voyageronline.net>  
To: wb5rue@stic.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2224] Re: Post Office Help  
Message-ID: <34CFBC00.66B23998@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Kevin and all. Well I' sorry but as a postal worker and a

fellow human. I find no reason to laugh at the thought of taking a persons life. You may think it is just a harmless bit of humor, but after a while the vast majority of postal workers just get sick and tired of being branded as a gun toting menace to society. Sorry, the majority of us have families, pay our taxes and expect to live a rather normal life and most of us do until we are branded as killers...sorry I had my fill of that a few years ago (1965-67). But no fear, all you well meaning people, as of today I would just as soon spend my free time and interests in qrp and ham radio somewhere else...73..Ed

-----  
Date: Wed, 28 Jan 1998 14:21:50  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: MSU1972@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [2225] Re: panels  
Message-ID: <3.0.3.16.19980128142150.2c674244@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Is there a comp program or ??? to produce front panel lettering for qrp rigs?  
>I'm looking for something more than the obvious, i.e., laser printer letters  
>printed on sticky labels and attached to the panel.

Hi Dave,

I generally do the obvious, draw the front panel to 1:1 scale with a CAD program (a good word processor like Word 6 or Wordperfect should work too) and print it out with the laser printer. But then I take it and have it plastic laminated and attach to the panel with double sided tape. This is a good way to make an overlay for panels that needs a window for say a LCD display. (cut the window out in the paper before you laminate)

Since the laser printer only does black, it limits the color of the paper to white or a light color such as a light blue. If you have a color printer, you could have a very colorful panel. Too bad they don't make a white ink for ink jet printers! I would love to print white on black!

Technicks, the PnP Blue people also make something called PnP wet, which is an iron on, soak off toner transfer they claim can be used for front panel decals. Never tried this stuff, so can't tell you how it might work or how well it works. I imagine you would need to print the lettering out in



reverse to use this film.

I never had much luck with dry transfer letters. The ultimate would be to learn how to silk screen. A lot of work for one of a kind, but would be nice. Maybe some day....

73,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Wed, 28 Jan 1998 18:22:34 -0500  
From: Ed <edn4pk@voyageronline.net>  
To: wb5rue@stic.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2226] Re: Post Office Help  
Message-ID: <34CFBDB9.9AB9F915@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Kevin and all. And just where in the taking of a life do you find the humor ??  
Ed N4PK ..

-----  
Date: Wed, 28 Jan 1998 18:24:18 -0500  
From: Ed <edn4pk@voyageronline.net>  
To: Roy Lincoln <cc1595@cocentral.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2227] Re: Post Office Help  
Message-ID: <34CFBE22.8B8C4E88@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Roy and all. Sorry that my "intelligence level " doesn't match yours  
Ed N4PK

-----  
Date: Wed, 28 Jan 1998 18:25:47 -0500  
From: Paul Helbert <phelbert@rica.net>  
To: edn4pk@VoyagerOnline.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [2228] Postal workers, humor, guns and butter  
Message-ID: <34CFBE7B.C57525D4@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

I began a letter to Ed with a copy to Doug. It quickly got really heavy with analysis of humor, stereotyping, reaction to frustration, etc. I do not think we want to read a major thread on the postal service, violence in our society, or any of the rest of it.

I have condensed my letter to the following:

Gentlemen, lighten up, please.

Thanks,

Paul, Wv3j

-----  
Date: Wed, 28 Jan 1998 17:32:21 -0600  
From: "Kelly Ellison" <kelman@dialnet.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [2229] LDG tuner and birdies  
Message-ID: <199801282330.RAA02560@shell.dialnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi all,

A while back, I posted a note that I got a LDG QRP Autotuner and that I really love it... well, I still do. But, I did find one negative. Maybe this is picky - picky, but my unit produces strong birdies on the bands. I have not charted the birdies but I know there are at least two on the bottom of ten meters. Is anyone else seeing this? Is there a fix? Am I being to picky? Do the owners of the other brands of autotuners see the same thing? I would like to hear from you direct. It is a really great

tuner in all other respects.

Kelly Ellison  
WB0WQS  
QRP-L #702  
kelman@dialnet.net

-----  
Date: Wed, 28 Jan 1998 16:30:55 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [2230] Re: Pre-FYB0 Victory Party  
Message-ID: <199801282330.QAA16733@usr01.primenet.com>

> I'm relaying this for A1, W1XH:  
>  
>       What:   Pre-FYB0 Victory Party - QRPizza and Beer.   Bring Money.  
> [ ... ]  
>       Why:    The party is a "pre-FYB0" victory party because there  
>       might not be anything to celebrate afterward.

Of course there'll be something to celebrate afterward -  
successfully braving another FYB0 field operation! :-)

Have fun, wish we lived close enough to join ya!  
Sure hope Pinetop has a pizza joint....

Only 10 FYB0 planning days left!!!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when your feet are warm."  
- Dave Rose, Fellow Snowcamper

-----  
Date: Wed, 28 Jan 1998 16:27:39 -0700  
From: "Ron Smith" <resmith@primenet.com>

To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [2231] Re: panels  
Message-ID: <009901bd2c44\$c34c55c0\$3d22a5ce@primenet.com.primenet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Steve,

Question...

>and print it out with the laser printer. But then I take it and have it  
>plastic laminated and attach to the panel with double sided tape. This is a

Have you ever tried printing on the single sided laminate and just sticking  
the cutout on the front of whatever?

72

Ron Smith

-----  
Amateur Radio Callsign: KD7VD  
Boise, Idaho  
E-mail: resmith@primenet.com  
QRP-L #1291...ARCI #9580...NorCal #????  
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Date: Wed, 28 Jan 1998 18:33:12 -0500  
From: Ed <edn4pk@VoyagerOnline.net>  
To: kc5tja@animeonline.ml.org  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [2232] Re: Post Office Help  
Message-ID: <34CFC038.8480174F@VoyagerOnline.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sam and all. First of all where do you find the humor in being  
depicted as a gun-toting shooter of your fellow employees ??  
CD rom as a cup holder....now that is funny....

-----  
Date: Wed, 28 Jan 1998 15:49:46 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [2233] QRPer goes postal  
Message-ID: <01bd2c47\$69ae9070\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

NEWSLINE -- JANUARY 28, 1998 -- NEWSLINE

Newsline AC International wireless services: Scientists at the Solar Radiation Observatory in North Plains Mesa, NM have detected an enormous release of solar particulate radiation from the sun (sic). Expected to strike the earth's outer atmosphere within hours, this massive event may cause serious disruption of all communications systems on the planet. Official Observatory spokesperson Eva Bright was hesitant to predict the extent of the disruption, but unnamed sources privately predicted catastrophic consequences to anyone whose life or livelihood depends on electromagnetic fields. This source also speculated about possible interference with normal biological communication functions, such as human neuron synapses.

In other news today...

Newsline DC National wire services: Swat teams brought the crisis at the Livermore, CA burger restaurant to an end today after a crazed ham radio operator held fourteen people hostage for eight hours. Witnesses said that the hostage taker appeared completely normal when he entered the restaurant ostensibly to attend a gathering of amateur radio operators being held at the restaurant. Shortly after arriving, however, he pulled out a strange-looking contraption of wires and batteries, jumped on top of a table and started shouting incomprehensible words and letters, such as "QRP forever!". He reportedly threatened the restaurant owner, brandishing a long aluminum stick, and then threatened to blow up the building with a Bic lighter. After the regional swat team was called to the scene, hostage negotiators managed to maintain contact with the assailant using two-way radios. Vowing "Death to QRO!", the hostage taker claimed that the sun was ruining his life, and had caused him to miss a fox the previous evening. Swat team psychologists were ill-prepared to handle such an obviously delirious person, but were able to defuse the situation by promising the

hostage taker a free California Garden Burger with a large side of fries, at which point he released the hostages and surrendered to police deputies. As he was being put into the police van, the ham was overheard to say, "But it was only QRP!" A couple visiting from Rochester, NY, who witnessed the event, said afterward, "Such excitement could only happen in California!"

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Date: Wed, 28 Jan 1998 18:50:52 -0500  
From: the one and only <mitch96@pobox.com>  
To: Qrp-l@Lehigh.EDU  
Subject: [2234] delete love  
Message-ID: <34CFC45C.3793@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

i just LOVve my delete button!

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End of QRP-L Digest 984

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